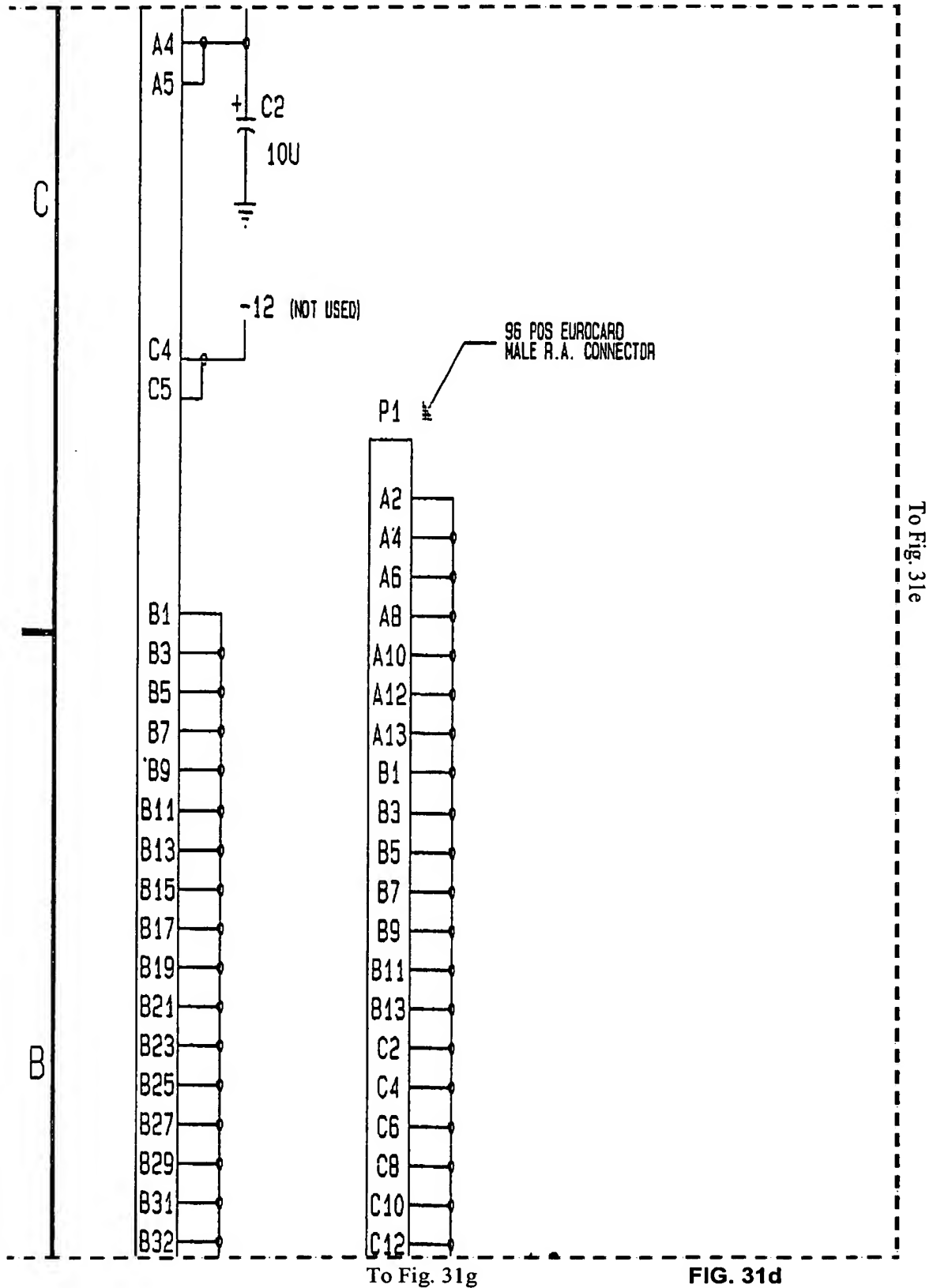


To Fig. 31a



To Fig. 31g

FIG. 31d

To Fig. 31b

To Fig. 31d

To Fig. 31f

To Fig. 31h

FIG. 31e

To Fig. 31c

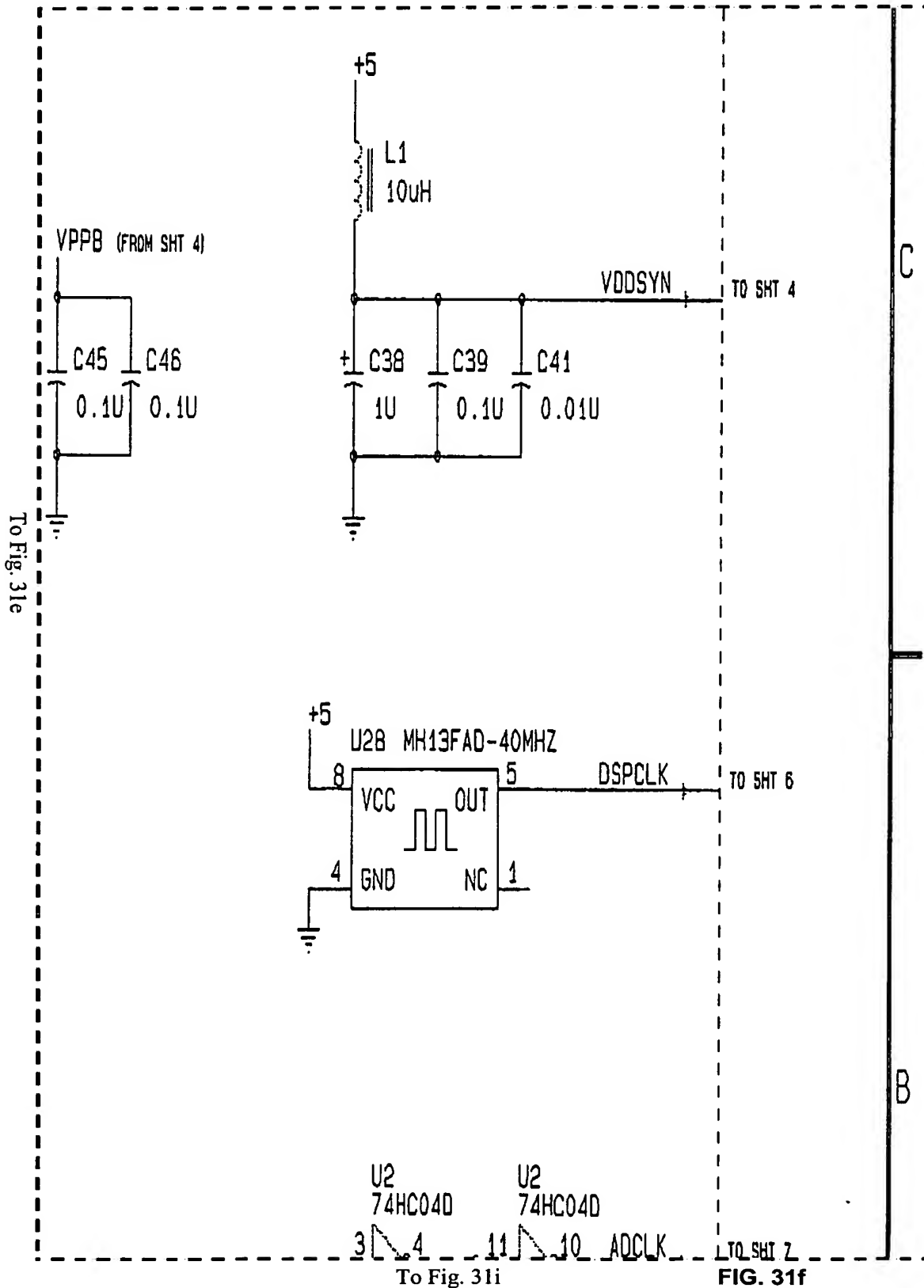
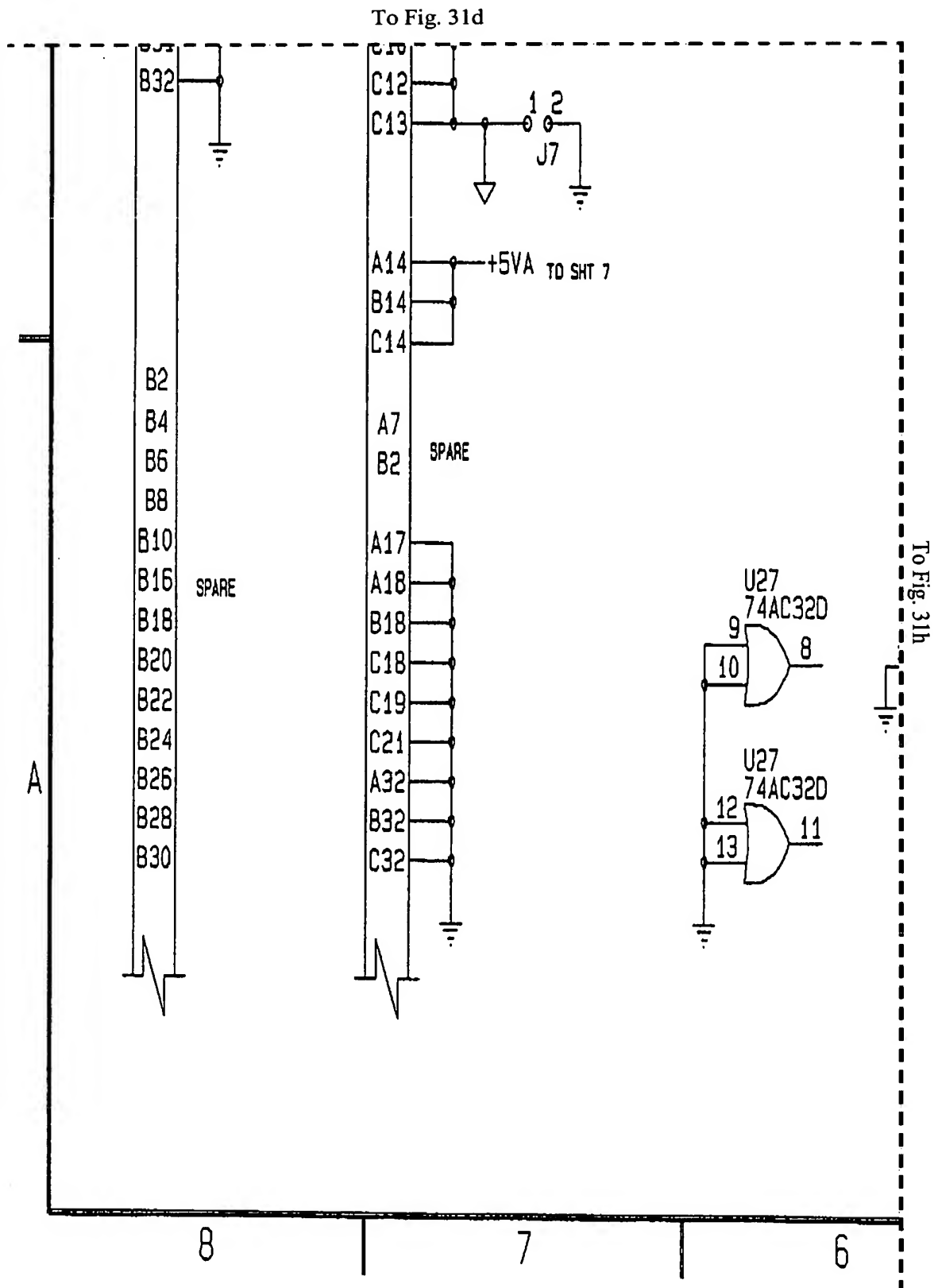
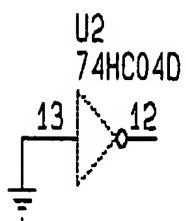


FIG. 31f



To Fig. 31e

To Fig. 31g



To Fig. 31i

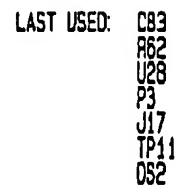
This schematic
proprietary of
configuration
are issued in
or use shall
of CD Power M

5

4

FIG. 31h

To Fig. 31h

[illegible]

POWER MEASUREMENT LTD.

E

REV 1.2

DATE: MAY 20, 1993

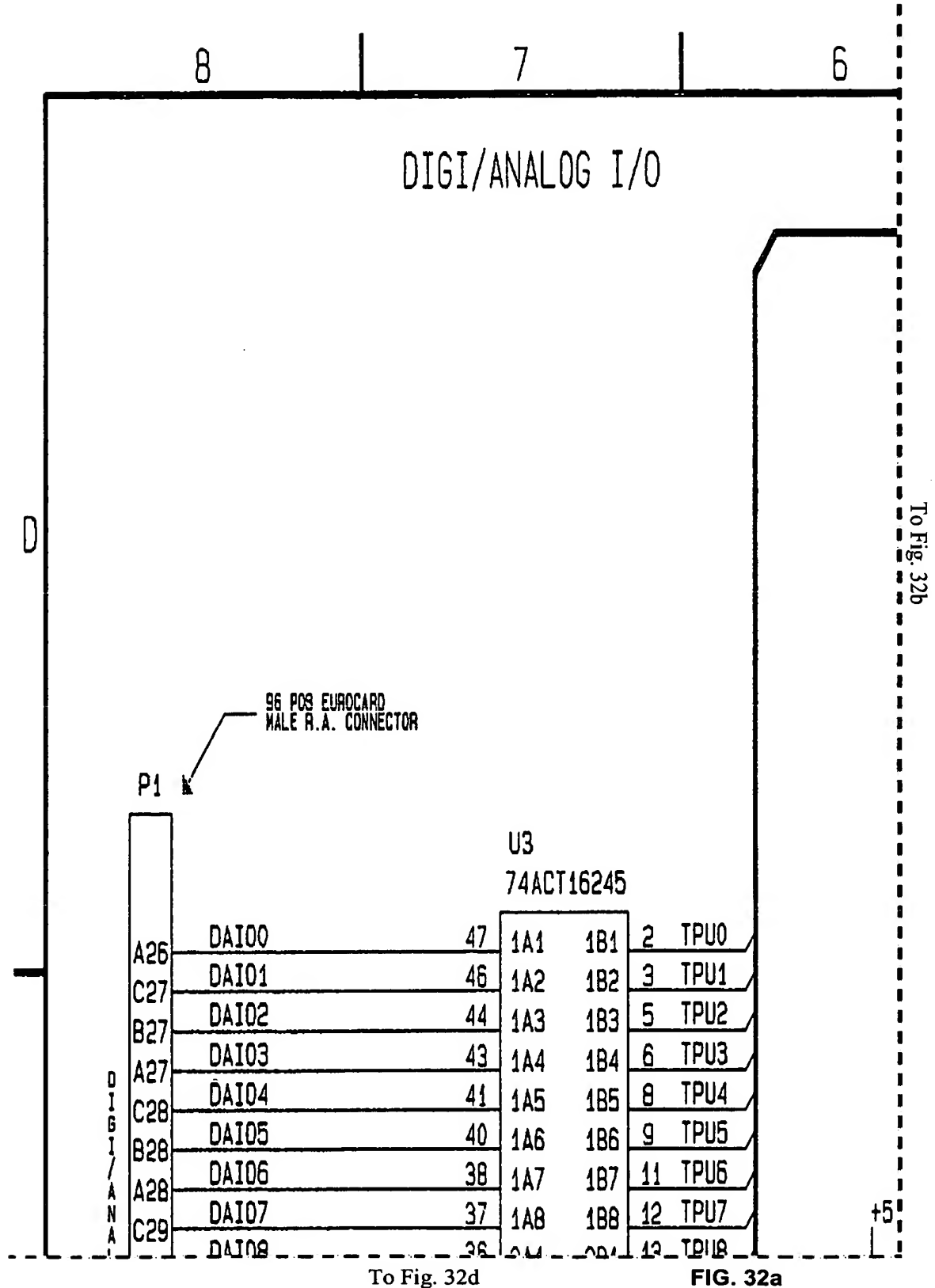
SHEET 1 OF 7

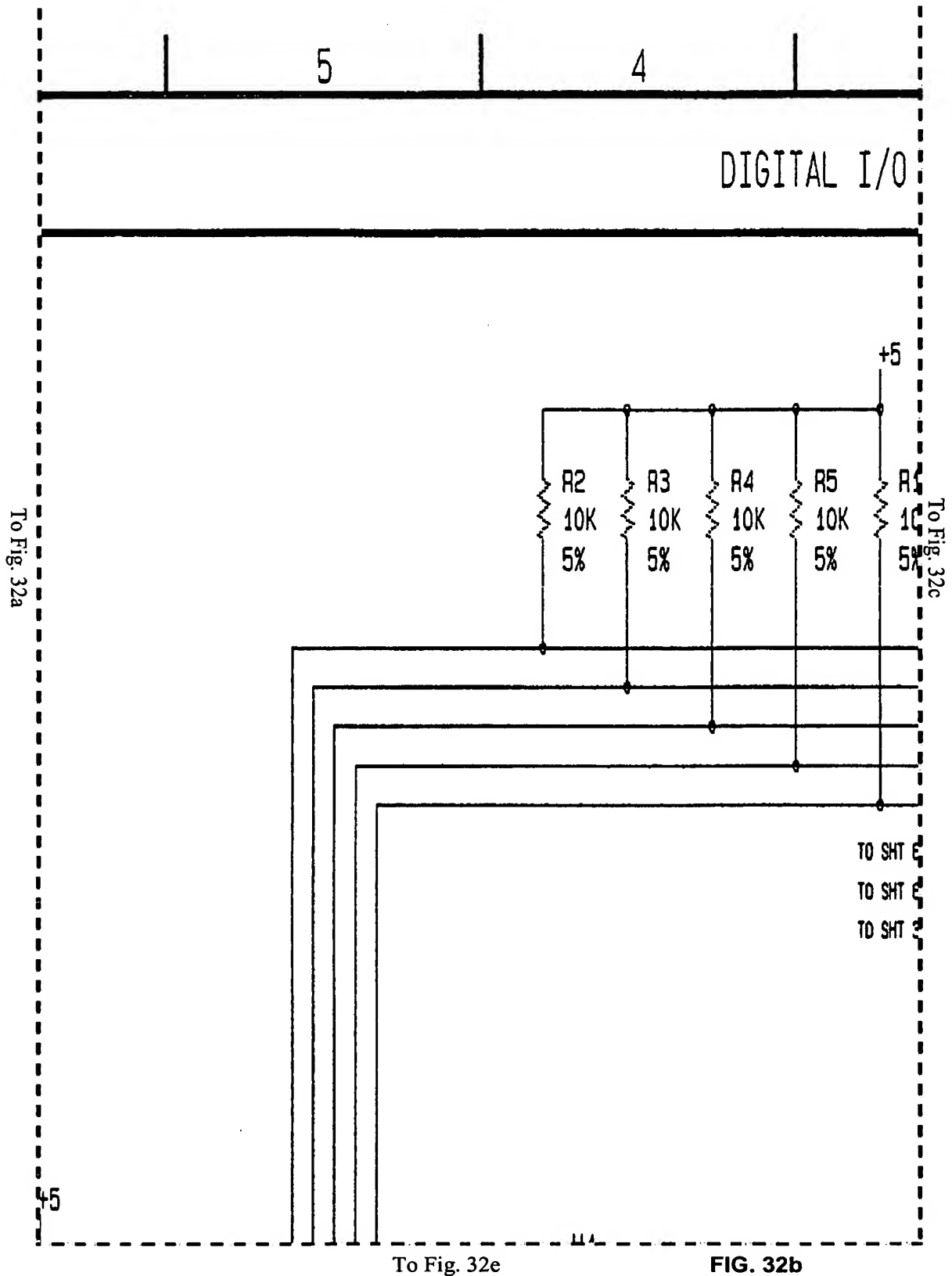
3

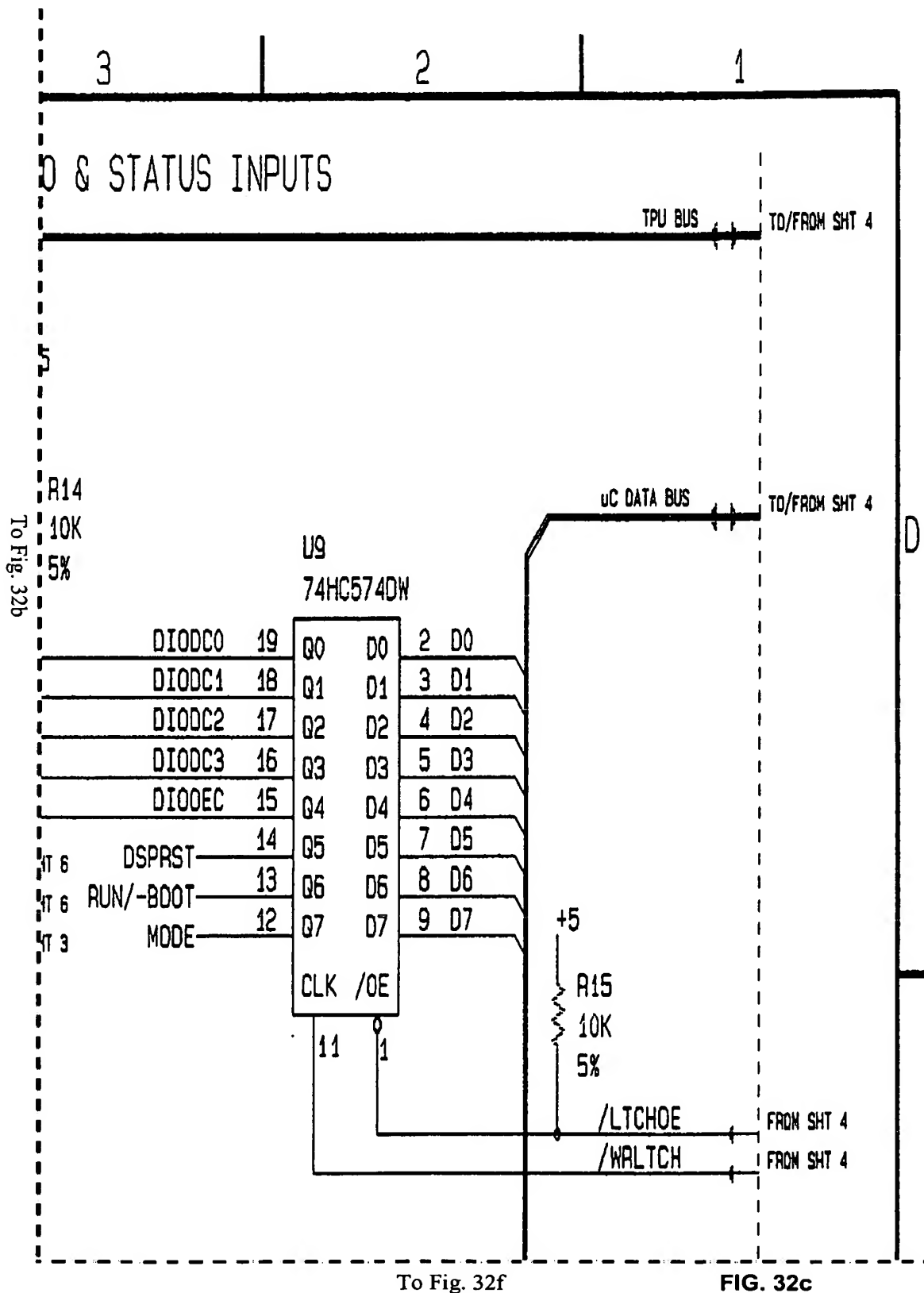
2

1

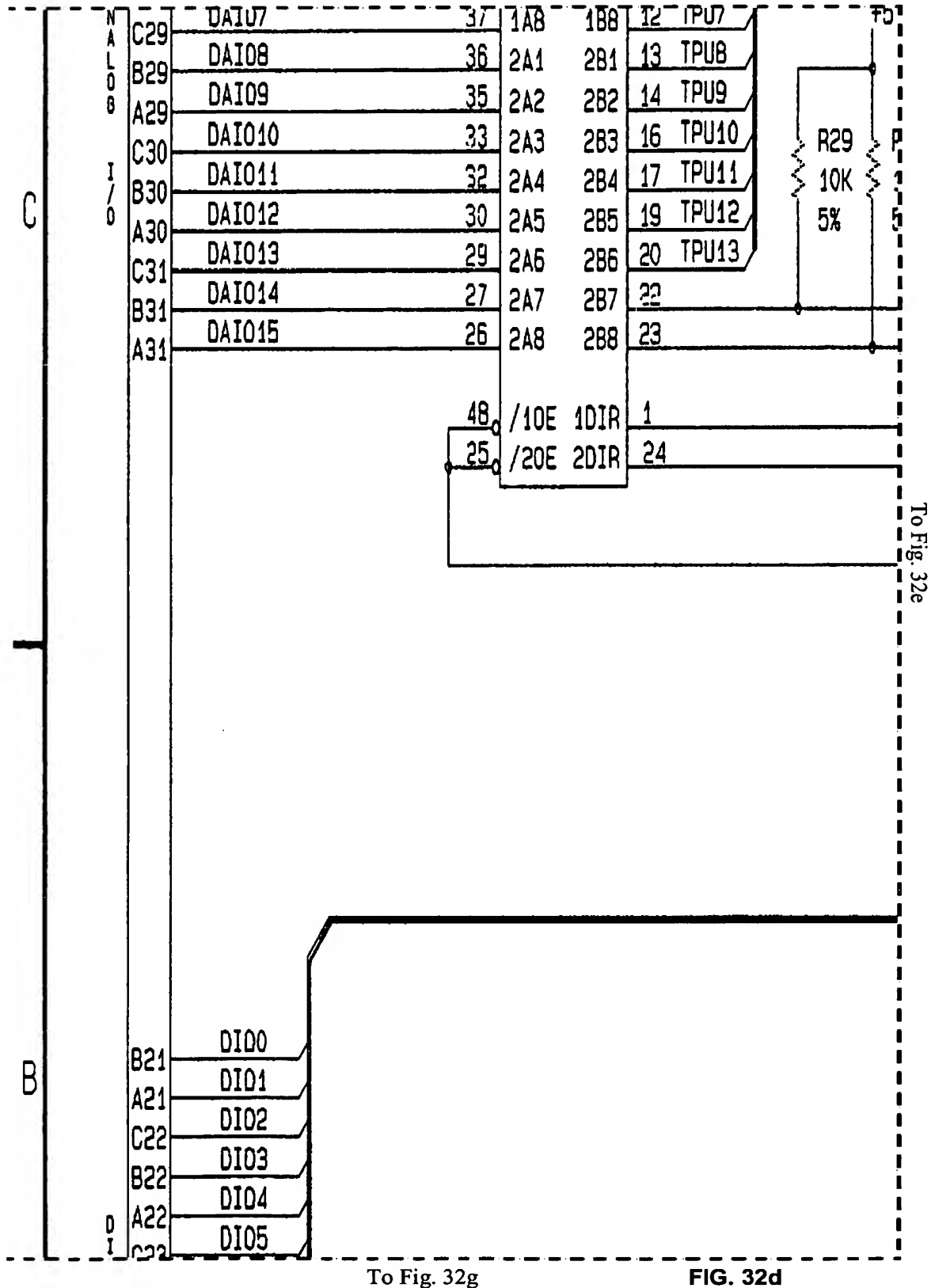
FIG. 31i







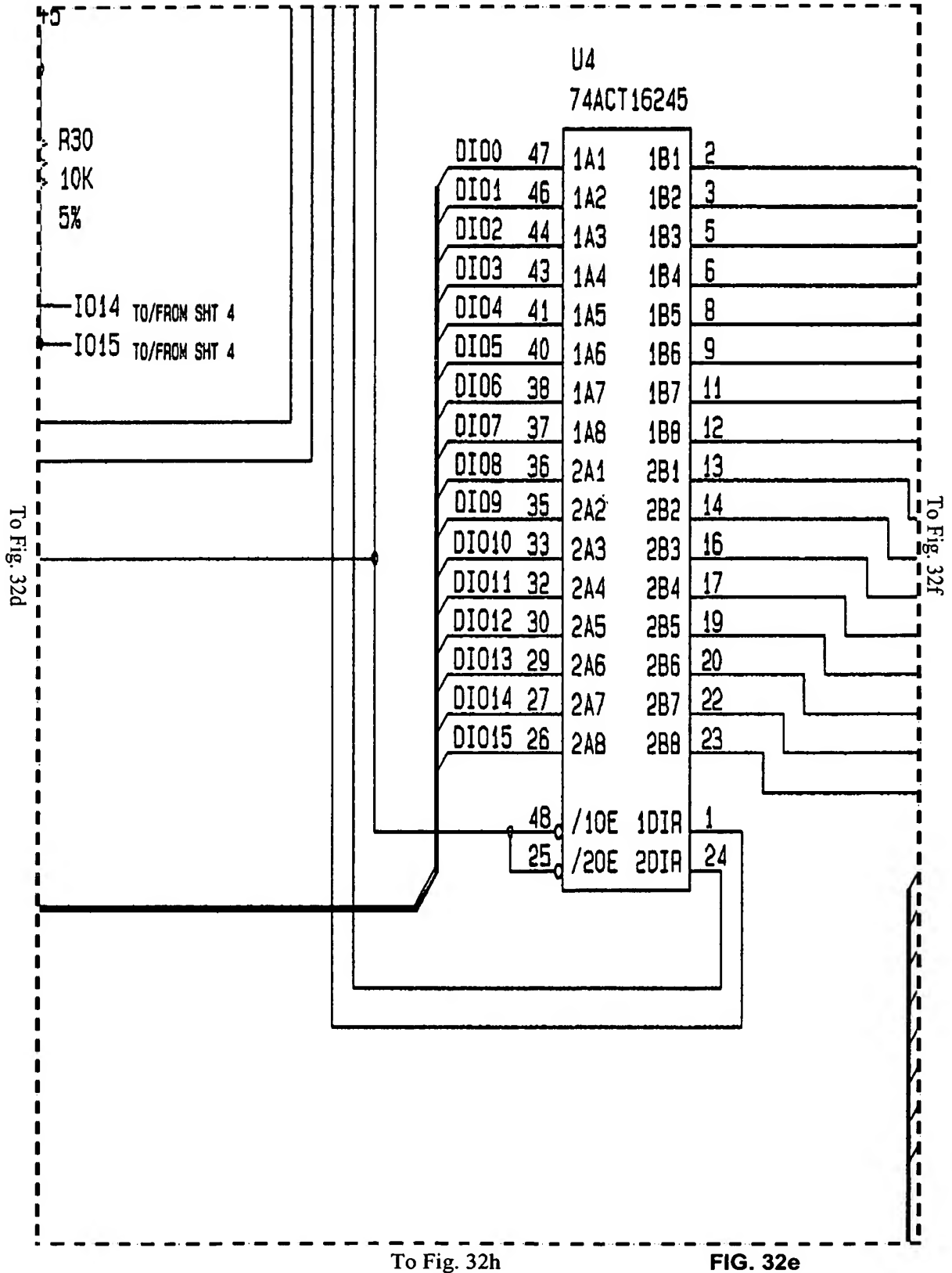
To Fig. 32a



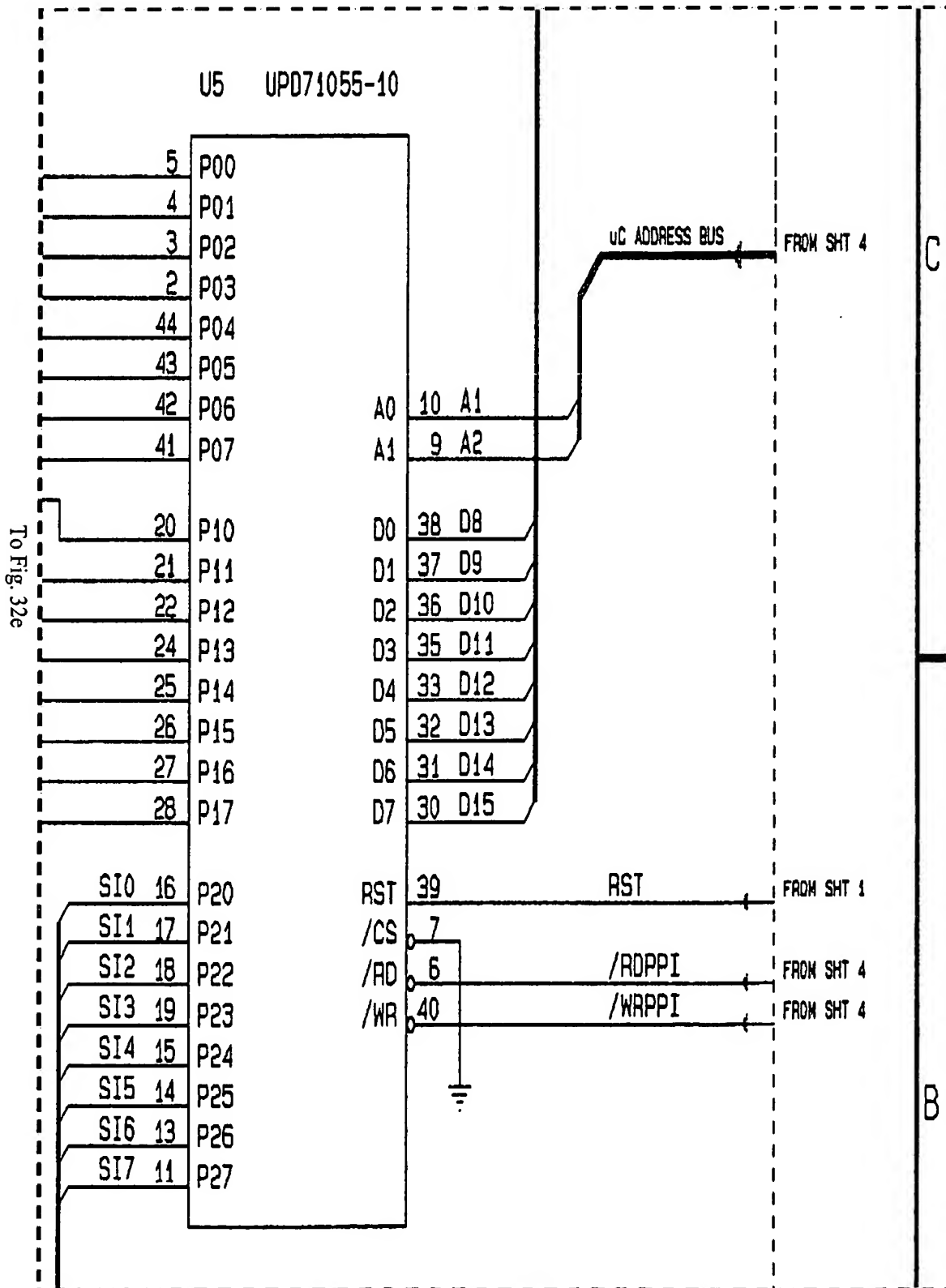
To Fig. 32g

FIG. 32d

To Fig. 32b



To Fig. 32c



To Fig. 32i

FIG. 32f

To Fig. 32d

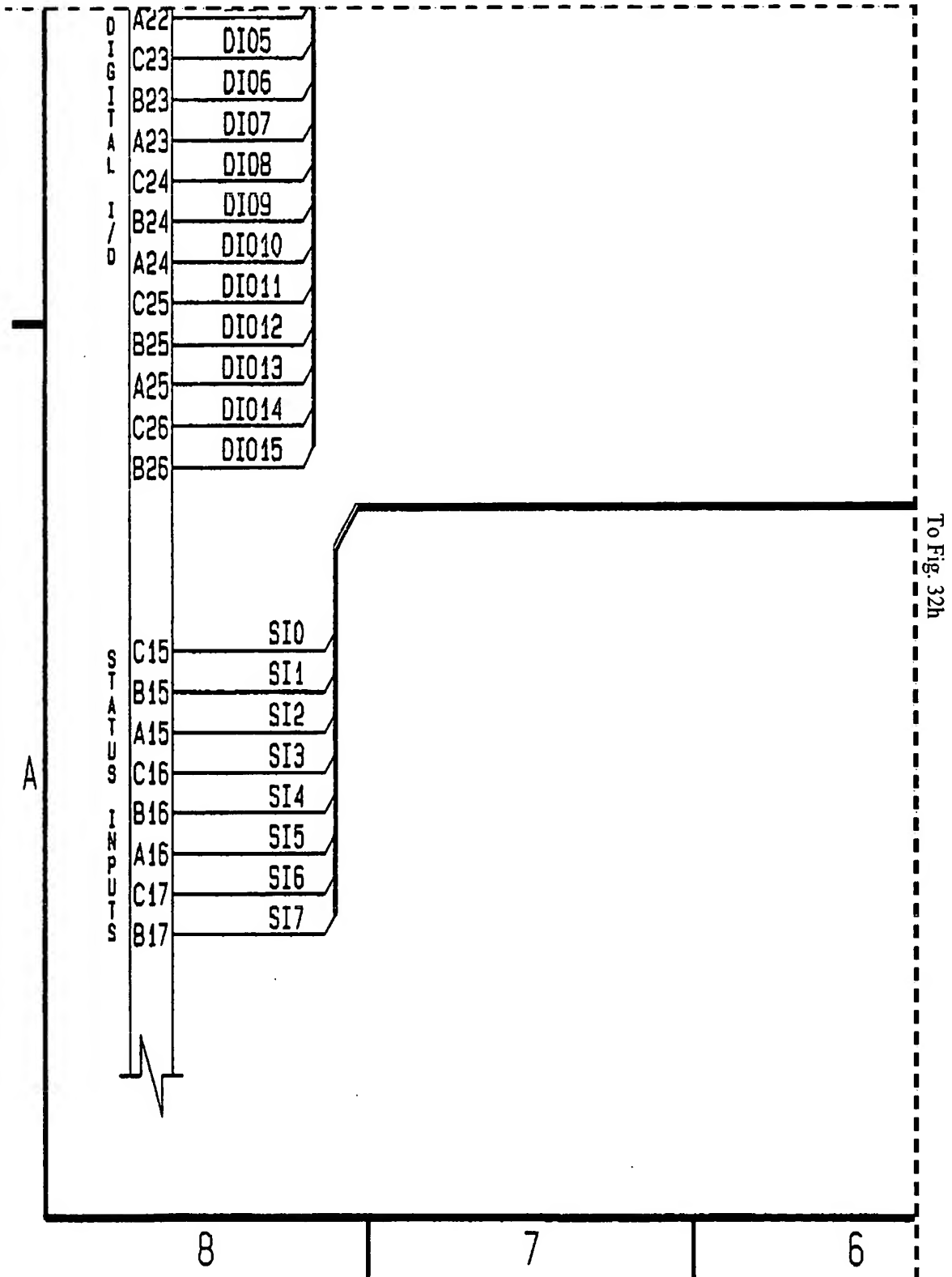


FIG. 32g

To Fig. 32e

To Fig. 32g

To Fig. 32i

This schematic
proprietary
configuration
are issued if
or use shall
of CD Power

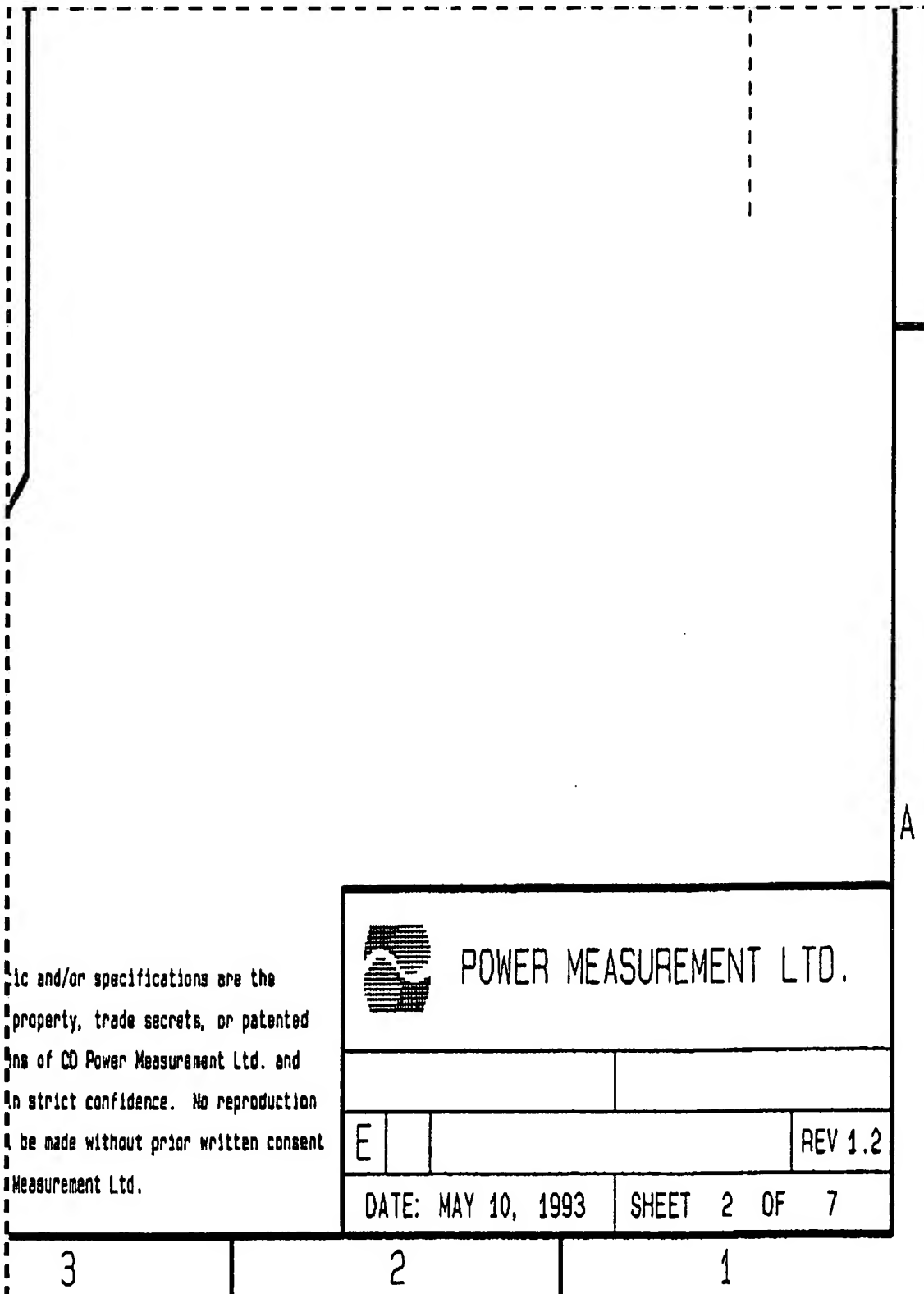
5

4

FIG. 32h

To Fig. 32f

To Fig. 32h



ic and/or specifications are the
property, trade secrets, or patented
na of CD Power Measurement Ltd. and
n strict confidence. No reproduction
be made without prior written consent
Measurement Ltd.



POWER MEASUREMENT LTD.

E

REV 1.2

DATE: MAY 10, 1993

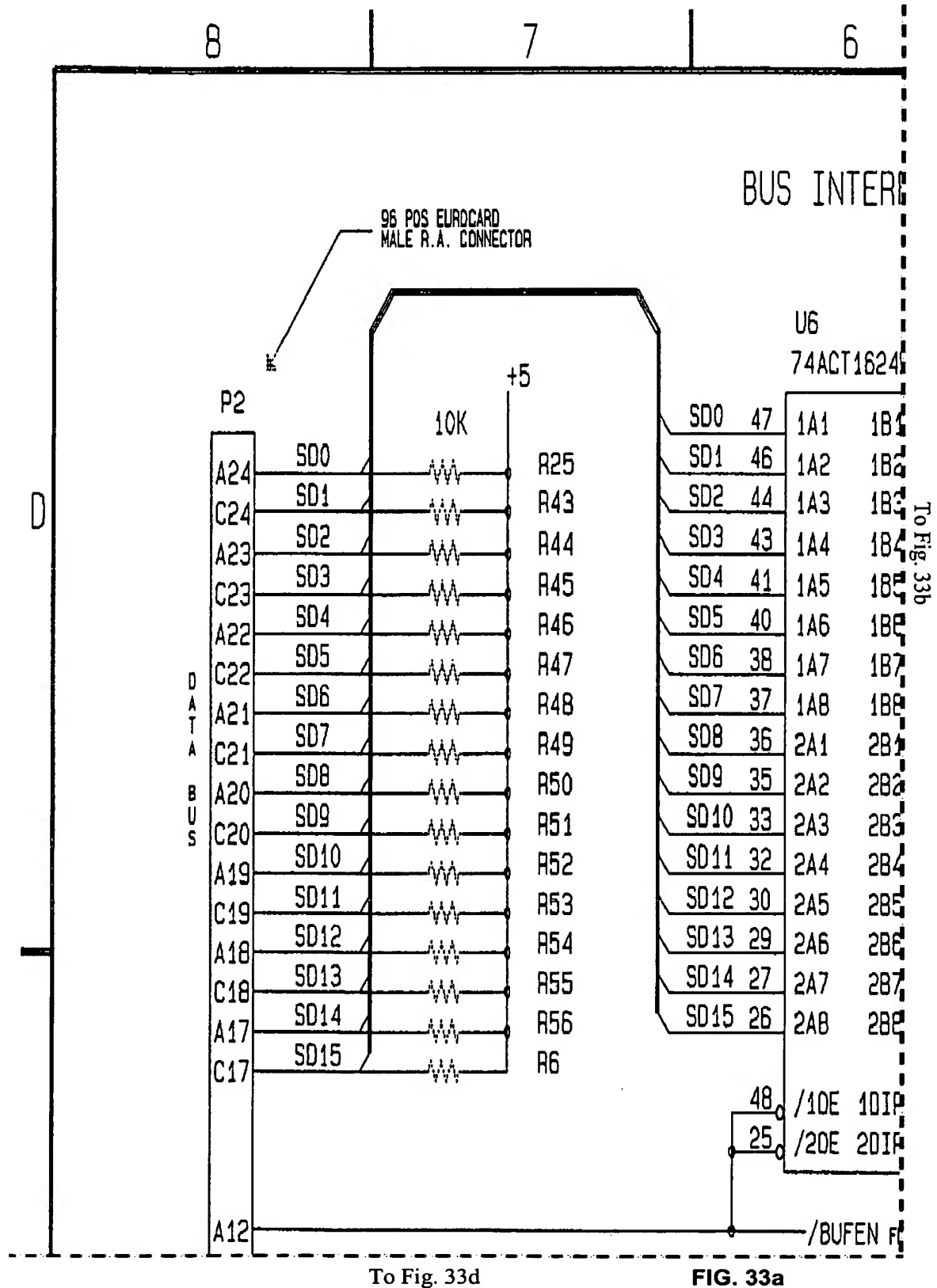
SHEET 2 OF 7

3

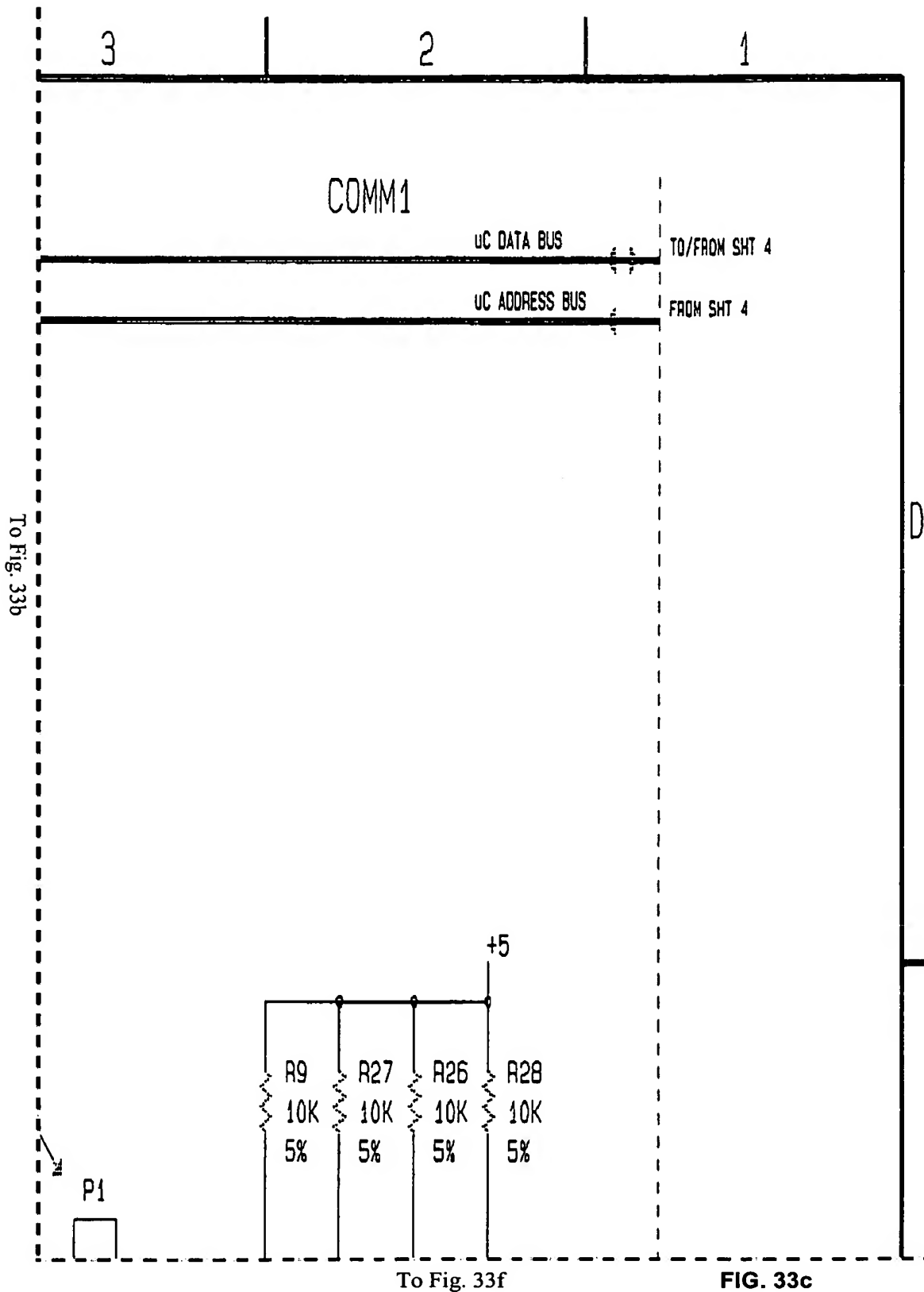
2

1

FIG. 32i



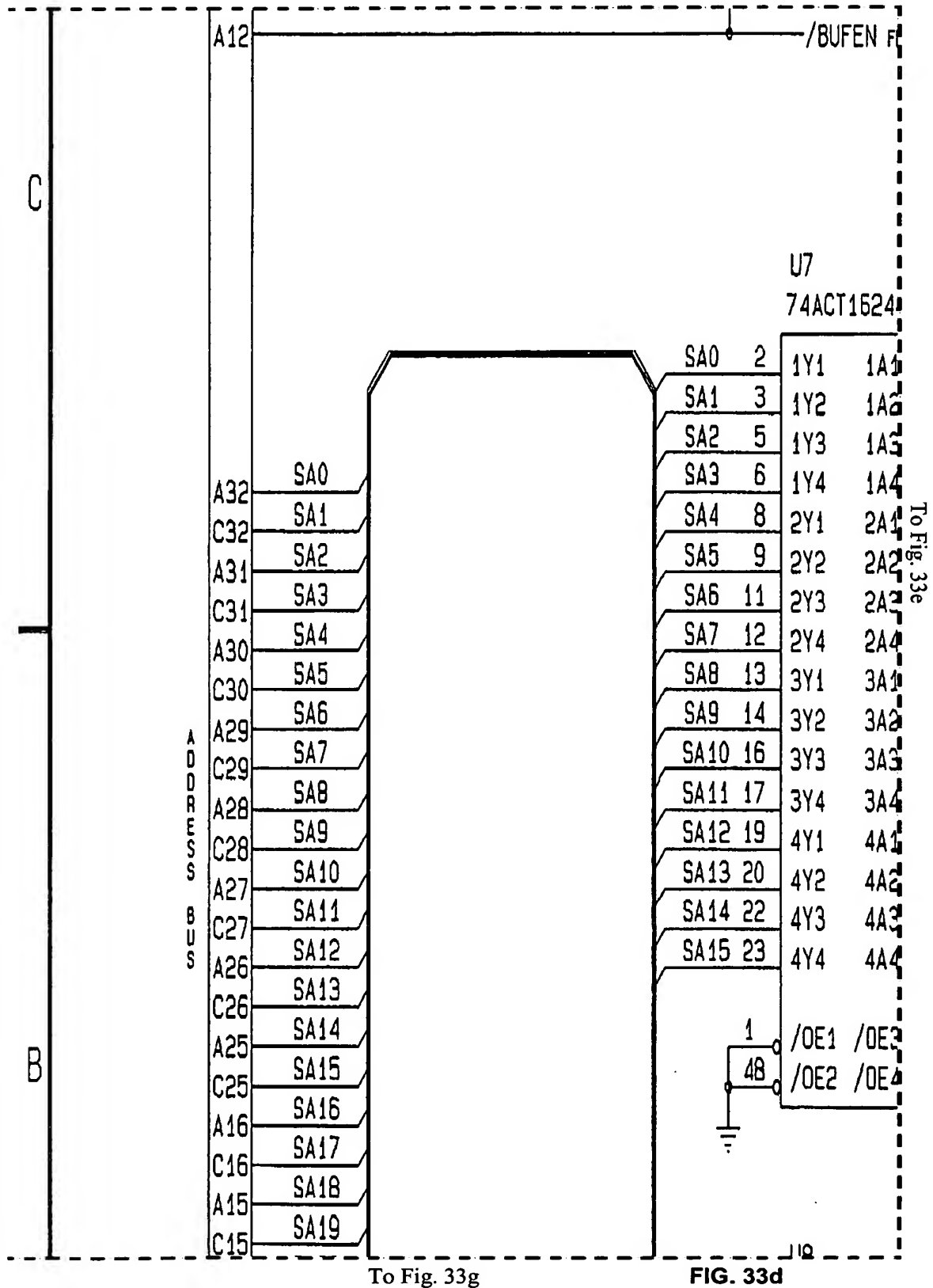




To Fig. 33f

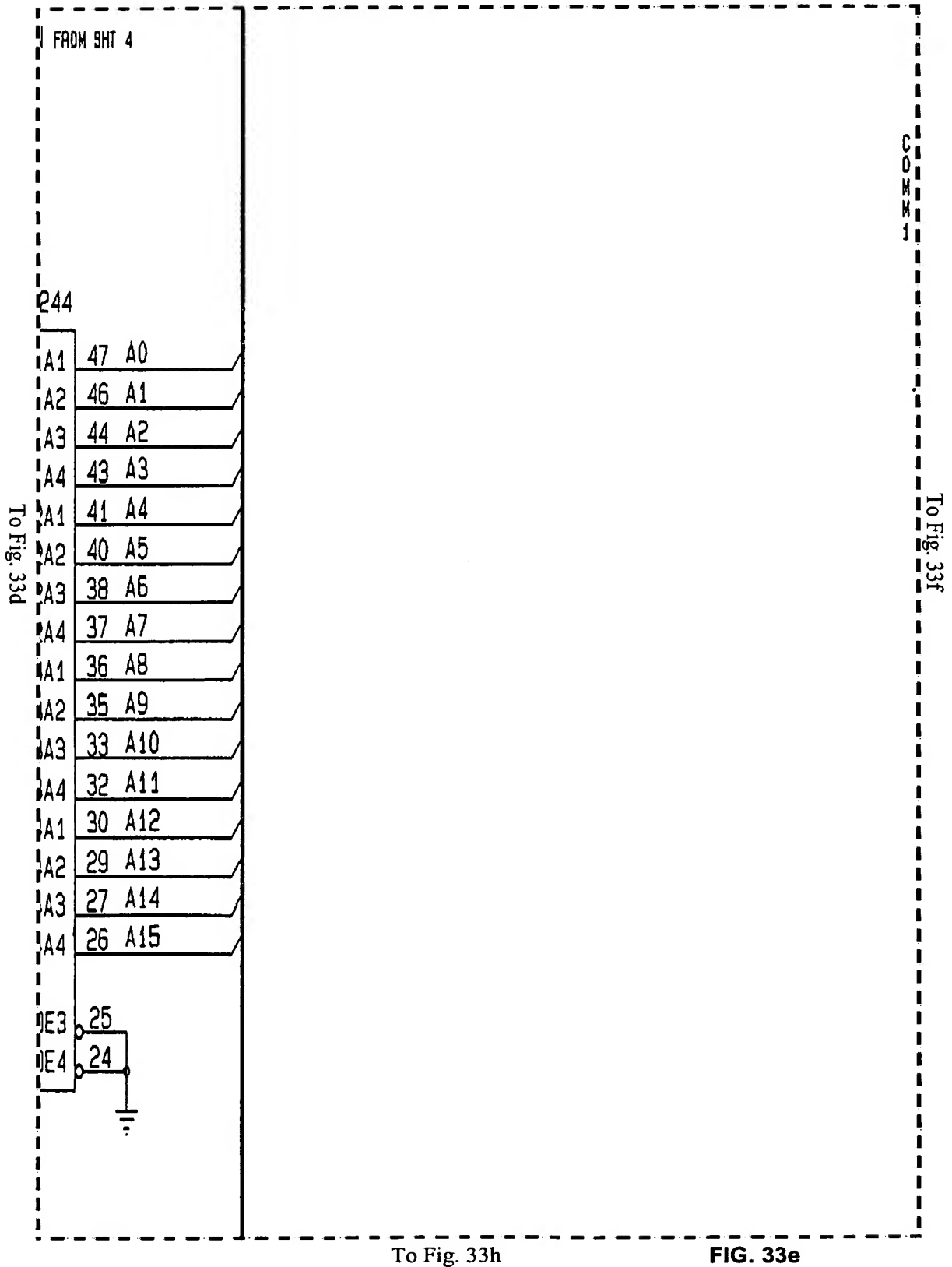
FIG. 33c

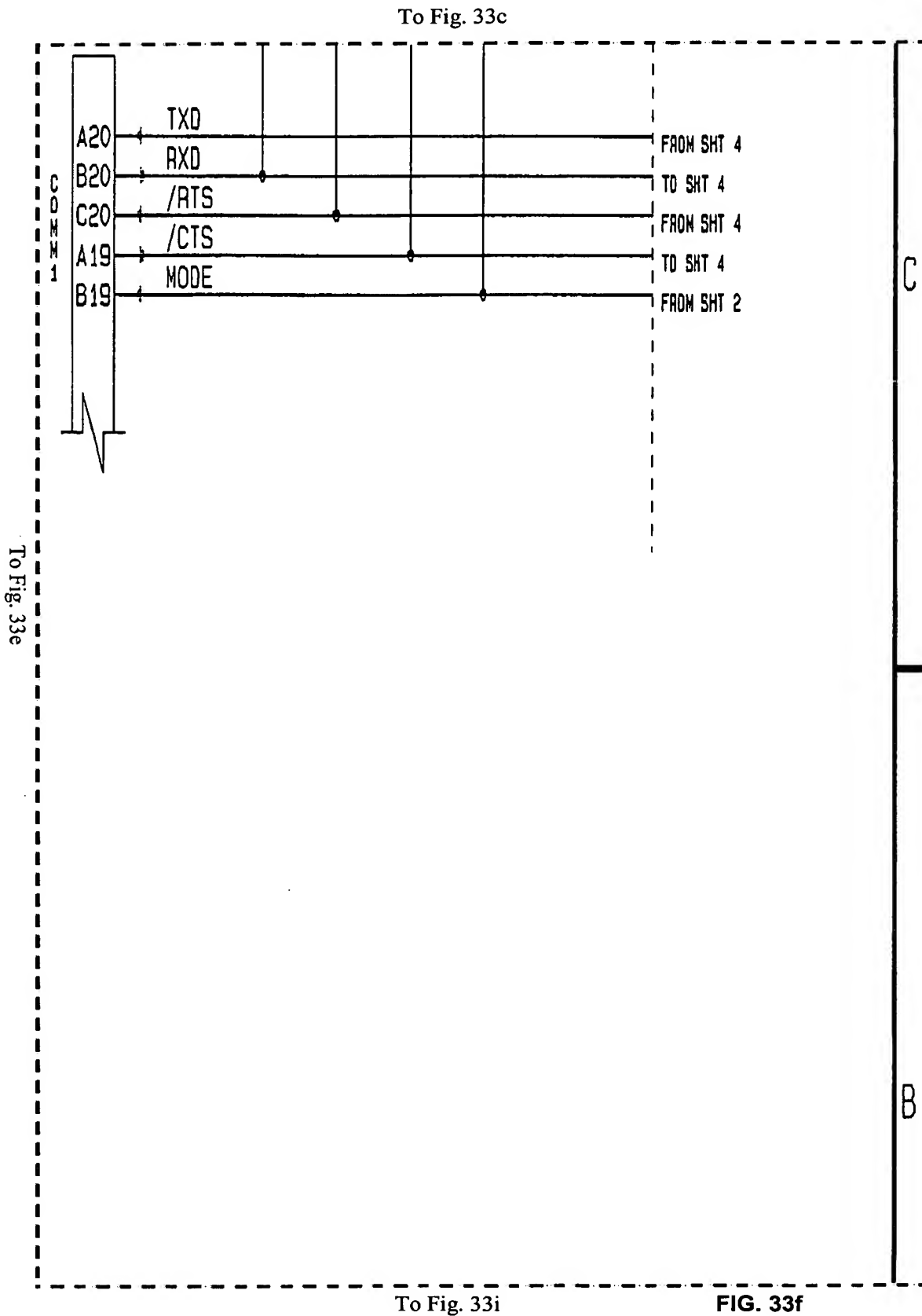
To Fig. 33a



New Sheet

To Fig. 33b





To Fig. 33d

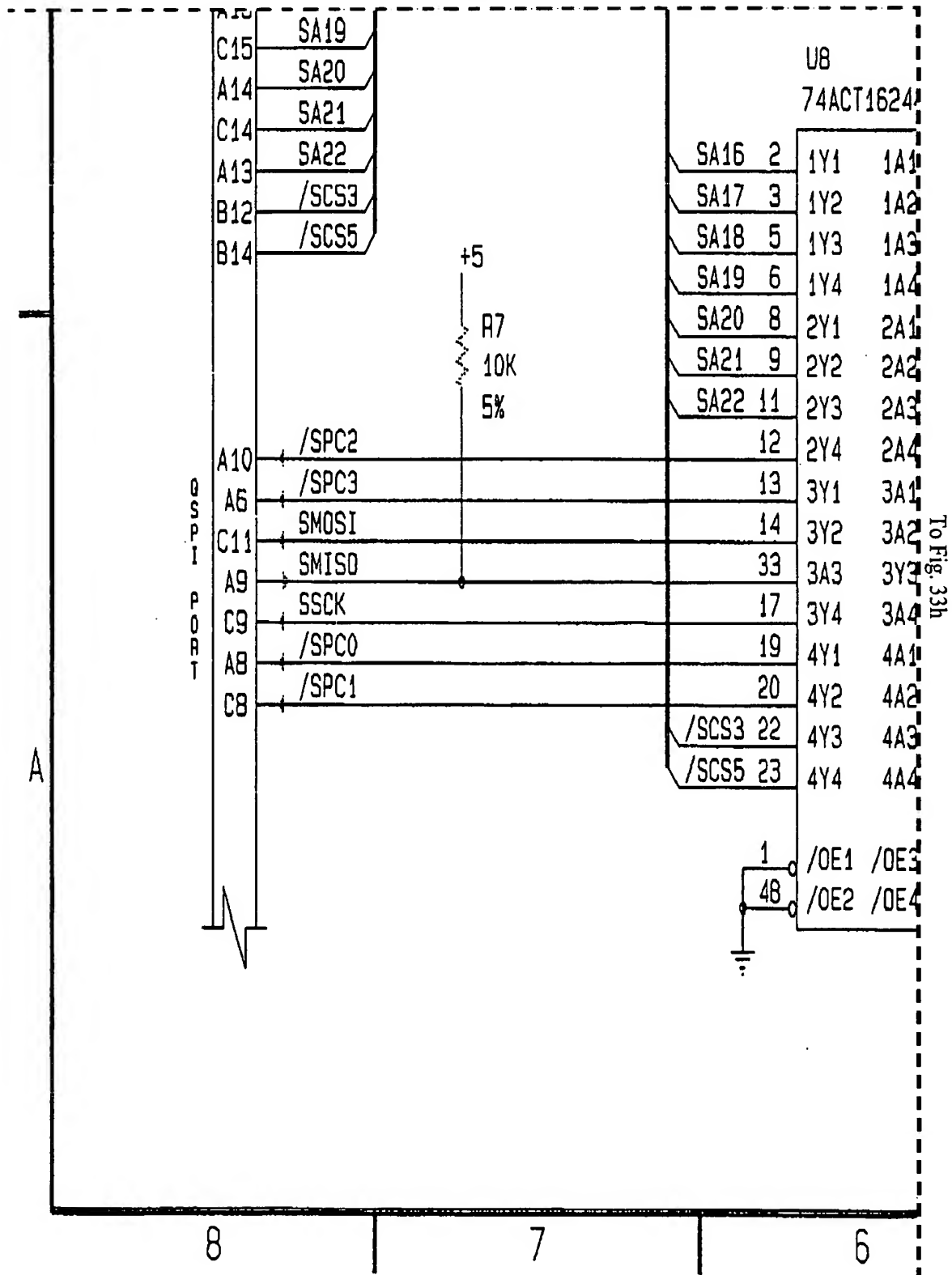


FIG. 33g

To Fig. 33e

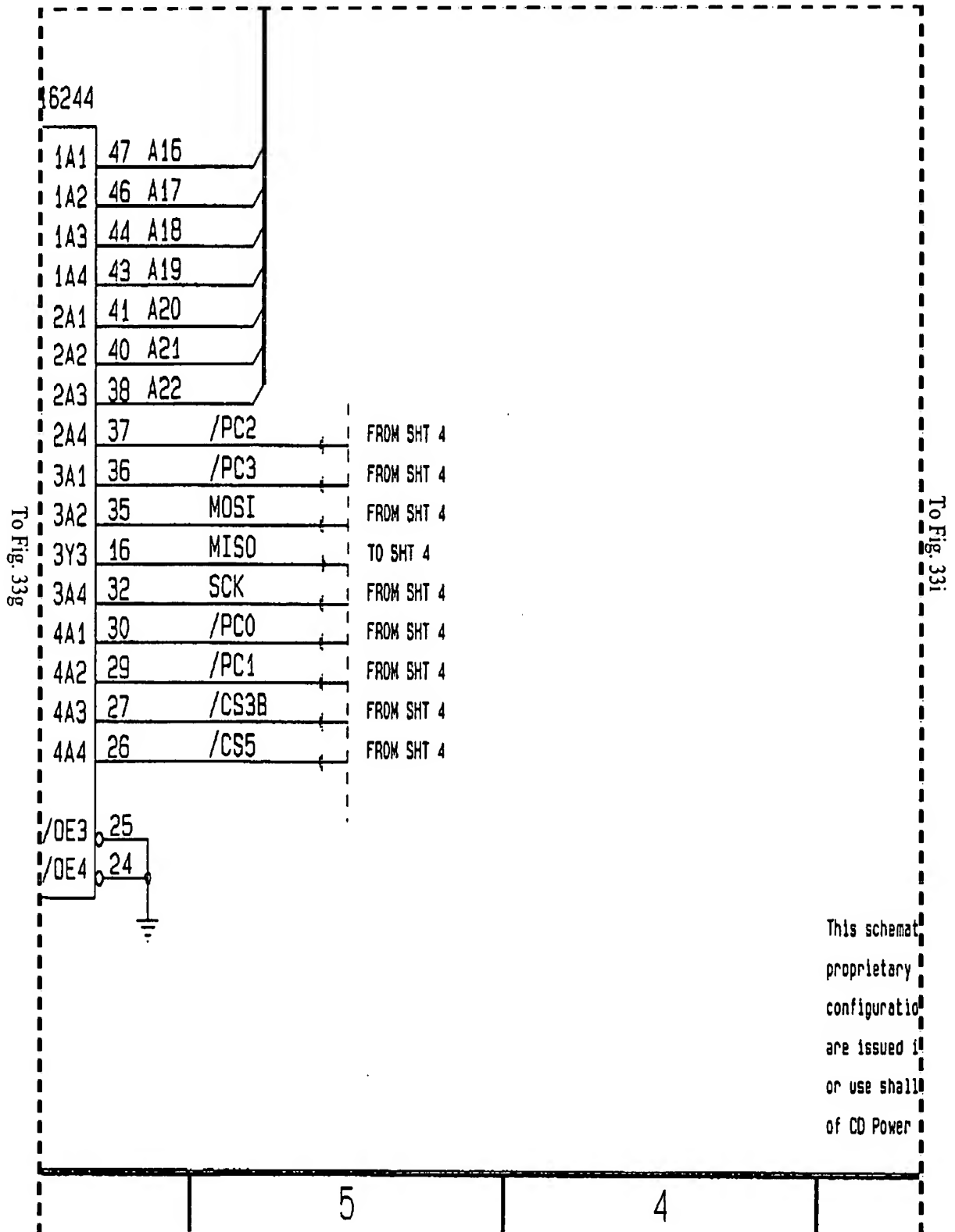


FIG. 33h

To Fig. 33f

To Fig. 33h

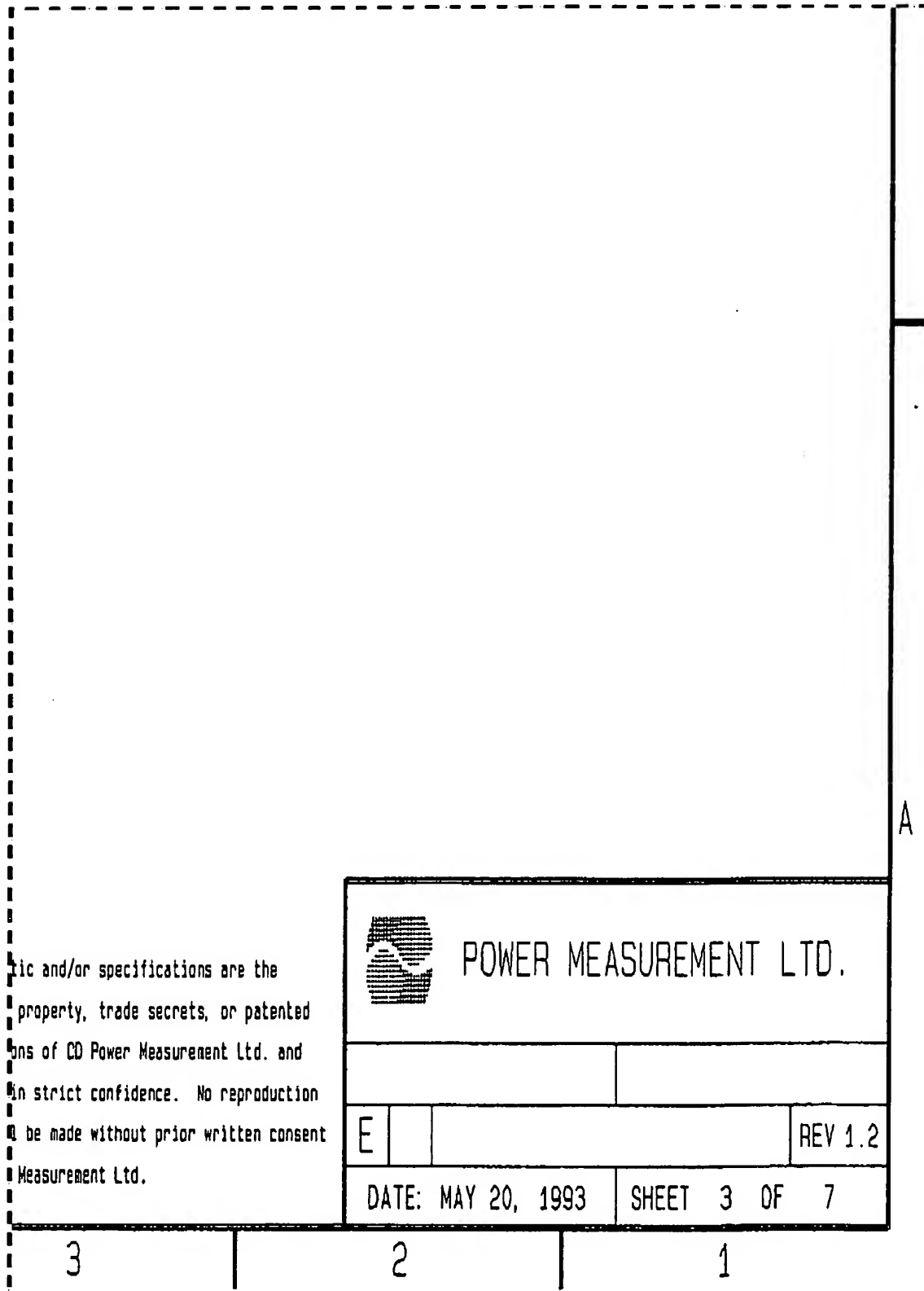


FIG. 33i and/or specifications are the property, trade secrets, or patented inventions of CD Power Measurement Ltd. and are in strict confidence. No reproduction or use may be made without prior written consent of CD Power Measurement Ltd.



POWER MEASUREMENT LTD.

E

REV 1.2

DATE: MAY 20, 1993

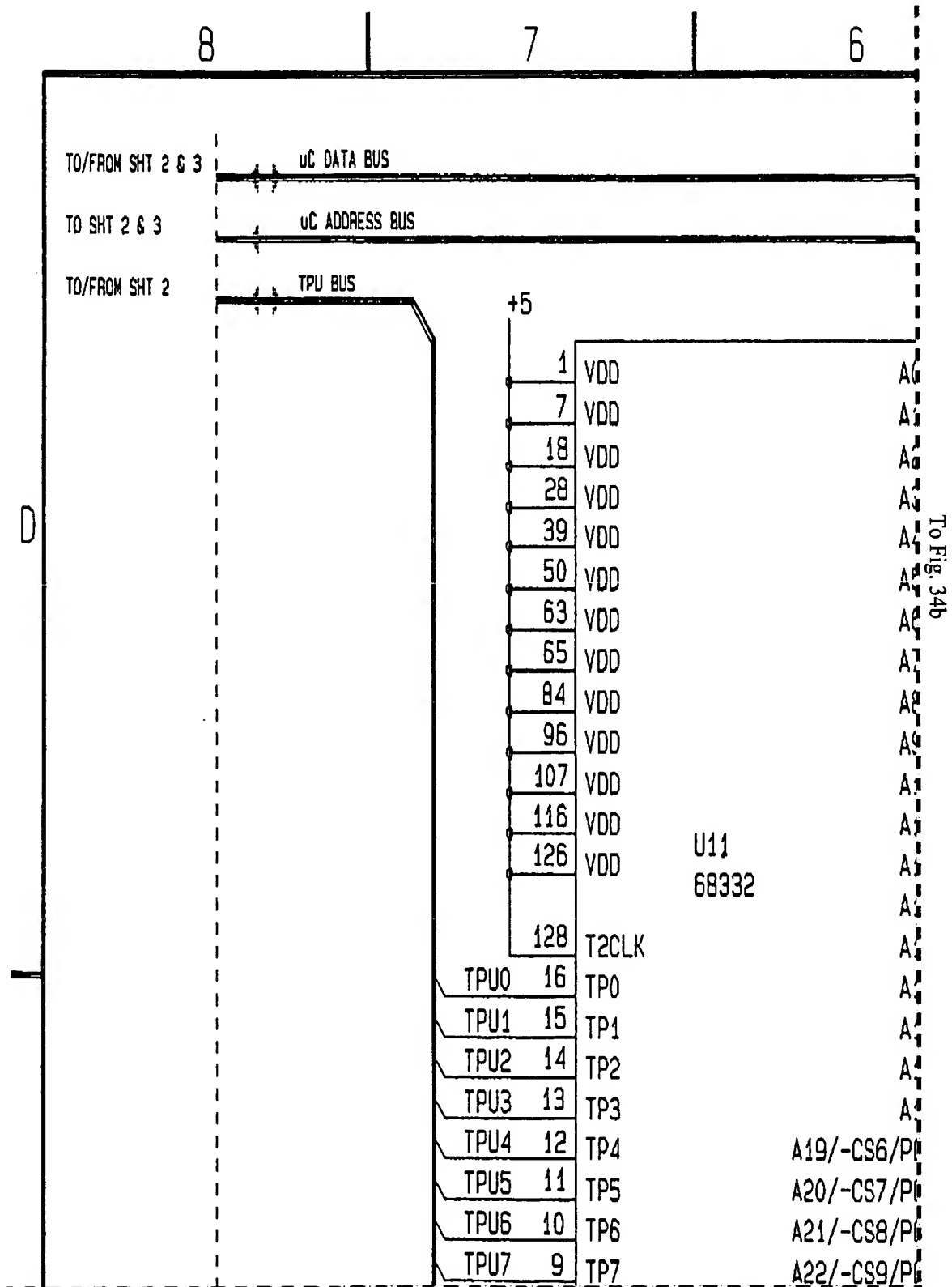
SHEET 3 OF 7

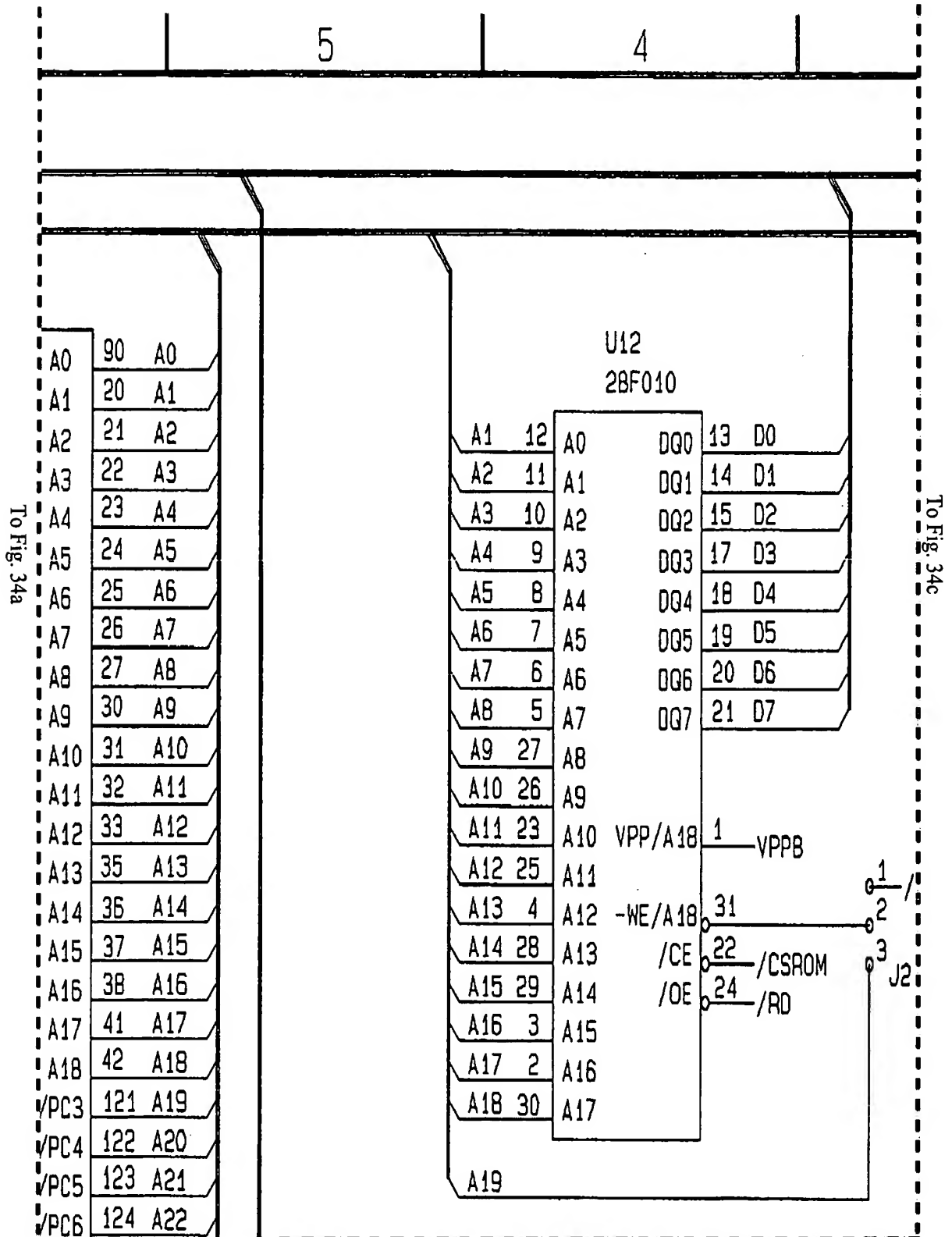
3

2

1

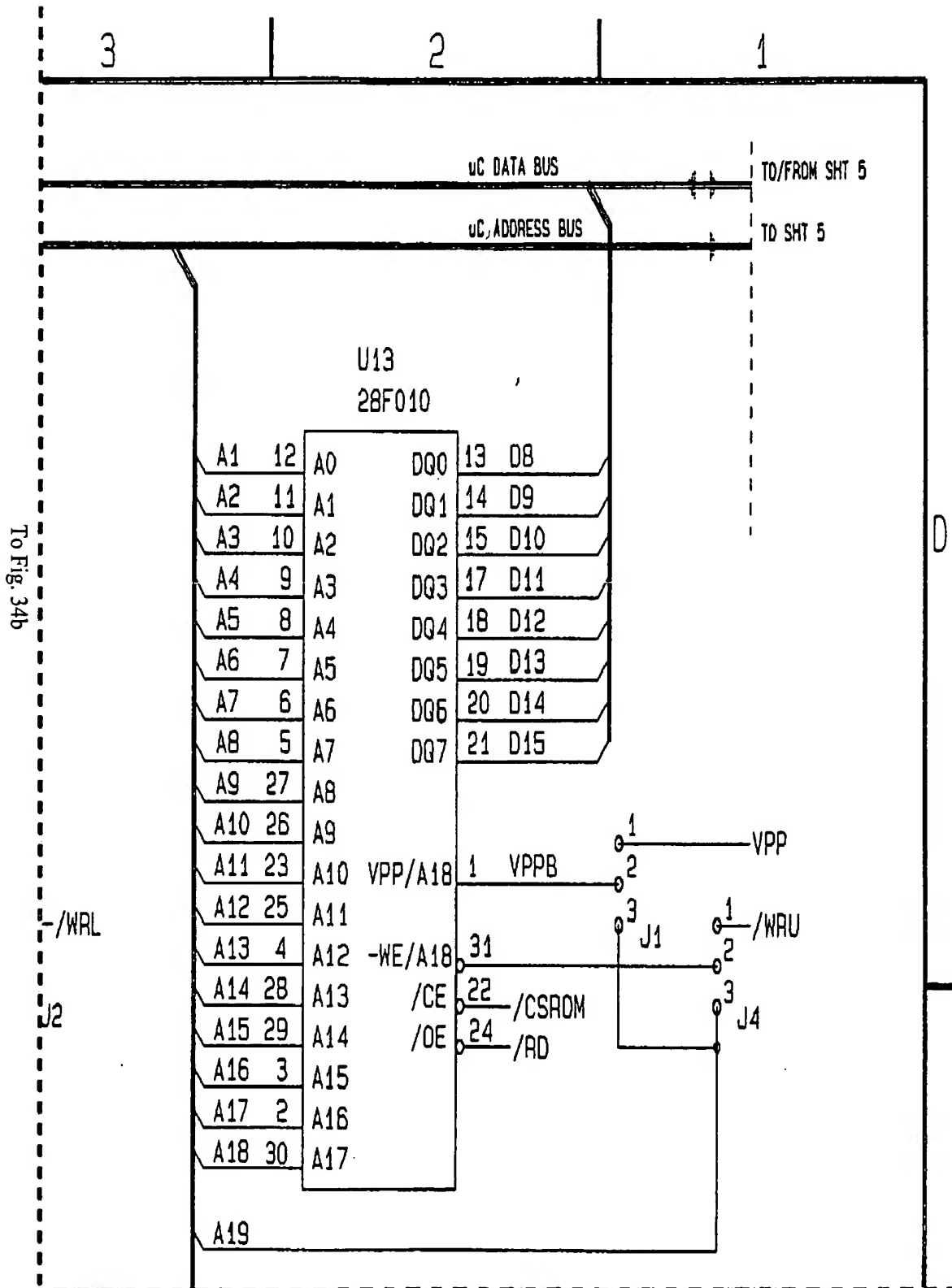
FIG. 33i





To Fig. 34e

FIG. 34b



To Fig. 34f

FIG. 34c

To Fig. 34b

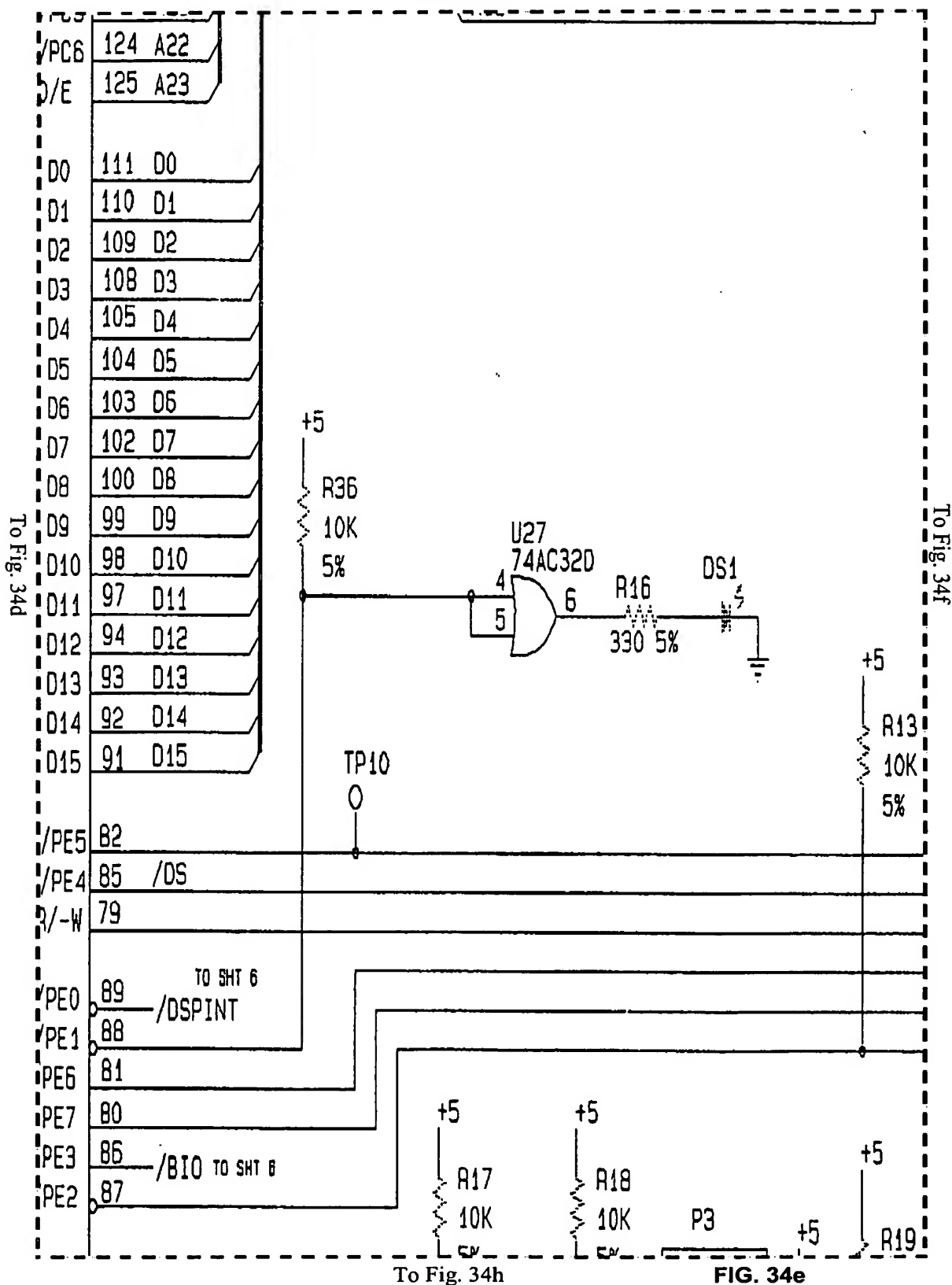
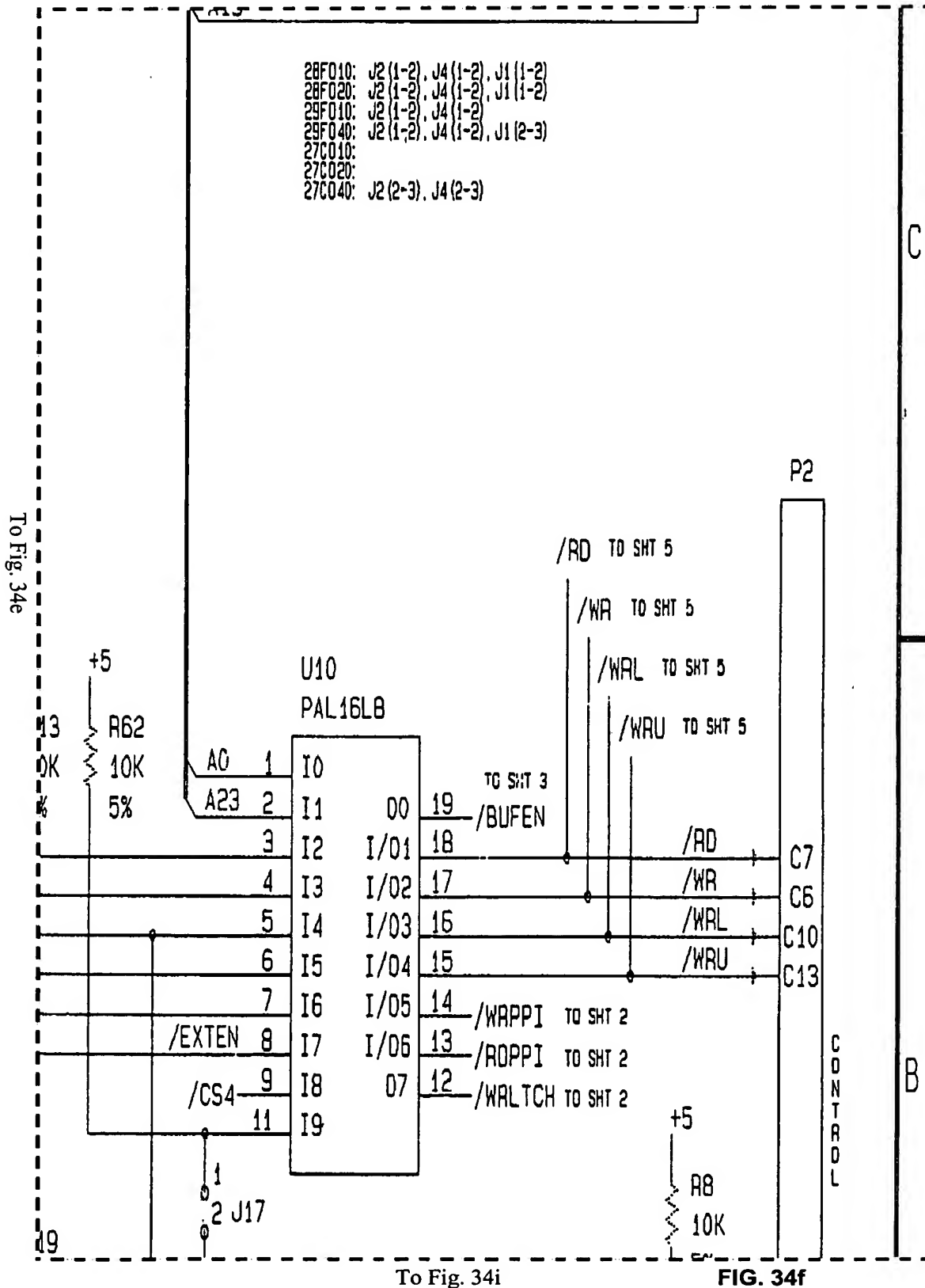


FIG. 34e

To Fig. 34c



To Fig. 34d

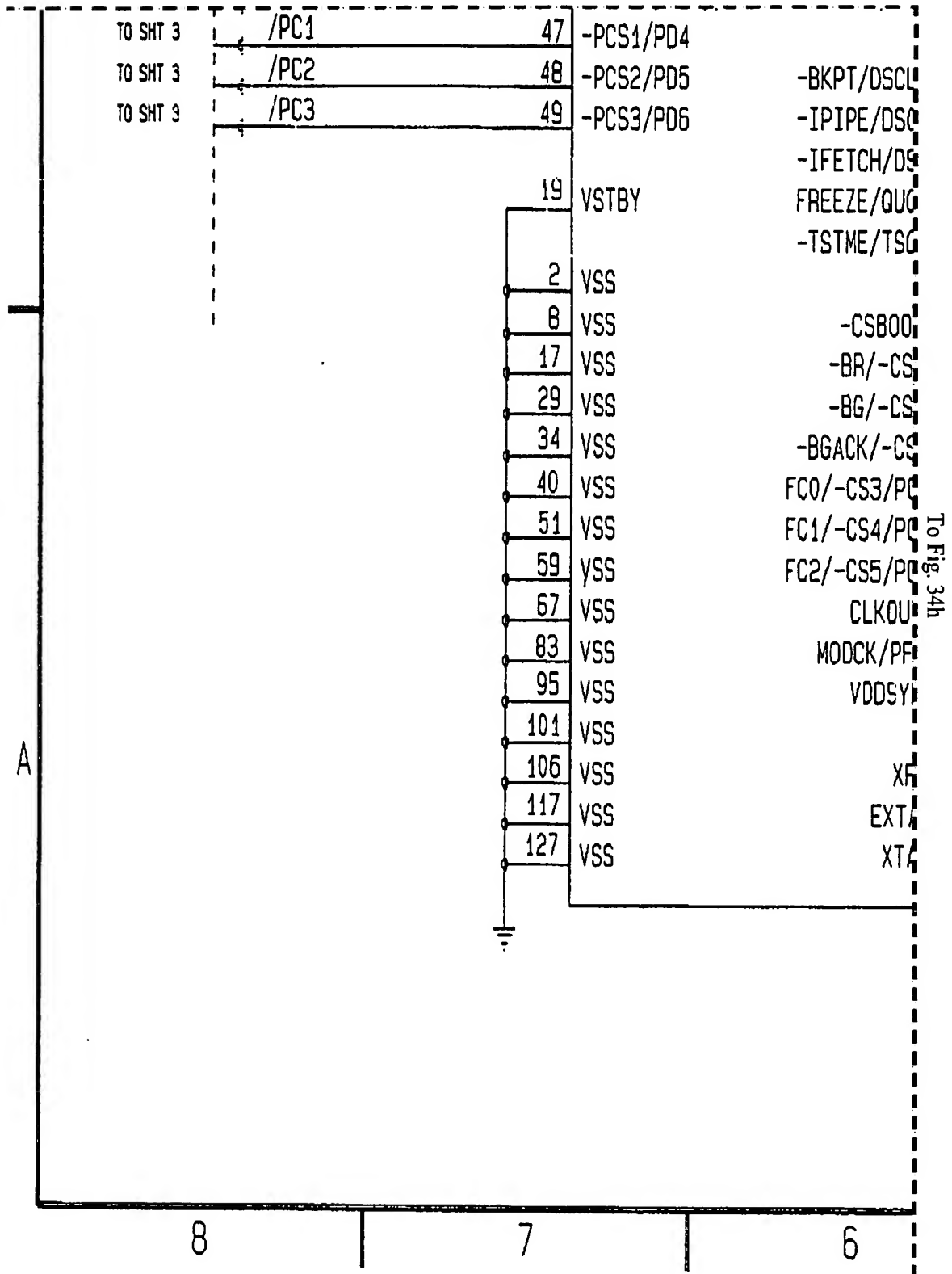


FIG. 34g

To Fig. 34e

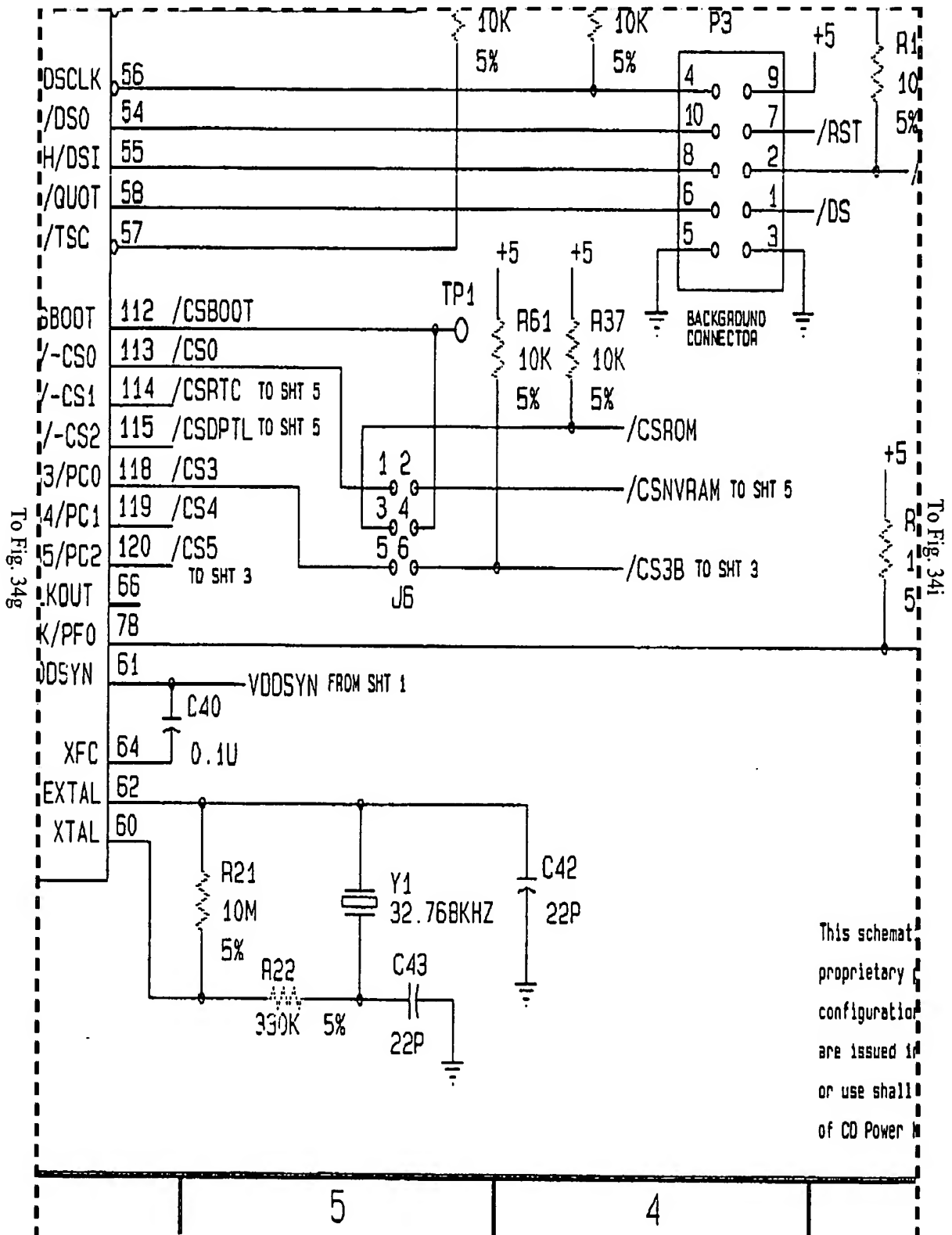
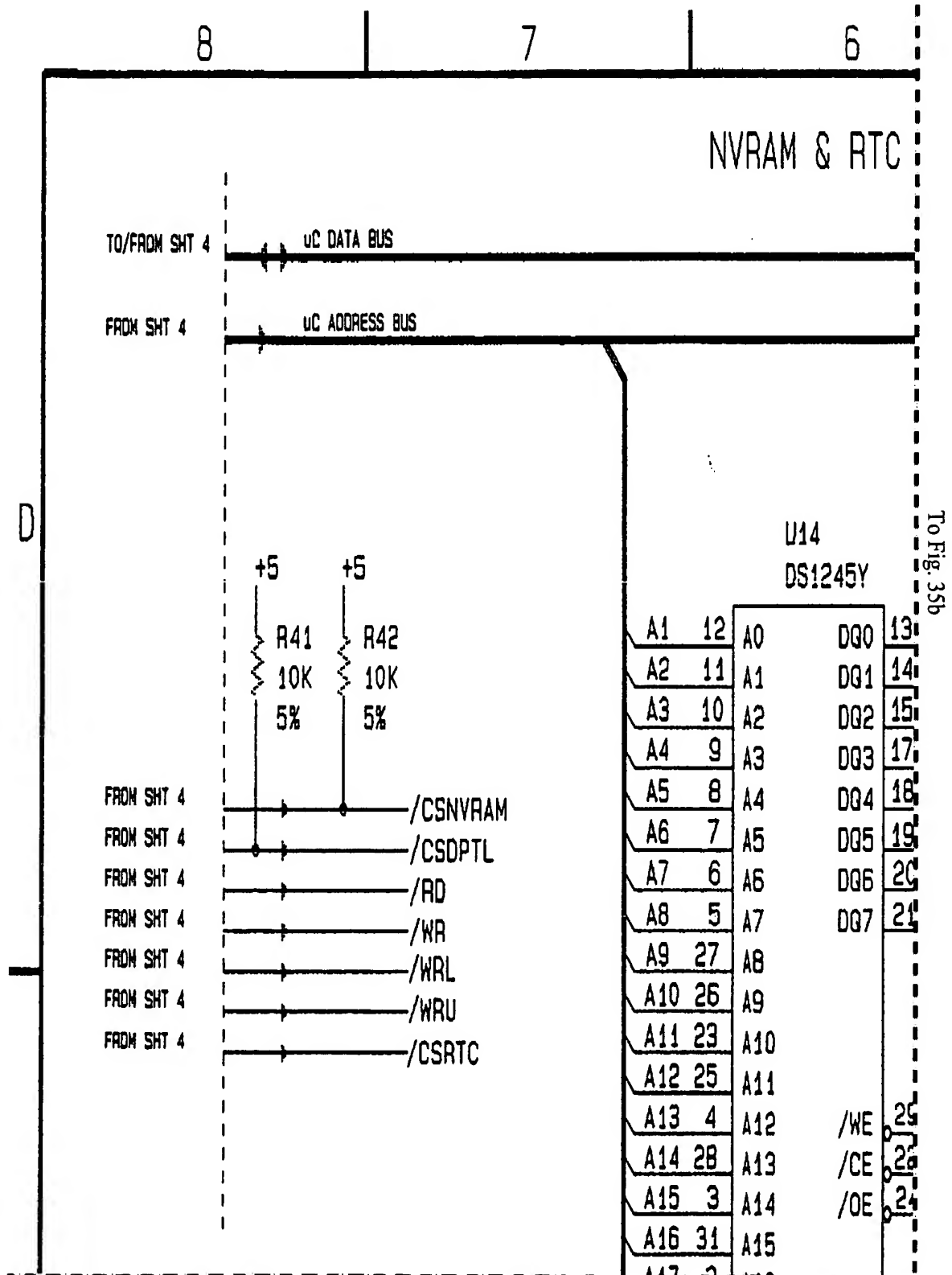


FIG. 34h

ic and/or specifications are the property, trade secrets, or patented of CD Power Measurement Ltd. and in strict confidence. No reproduction be made without prior written consent Measurement Ltd.

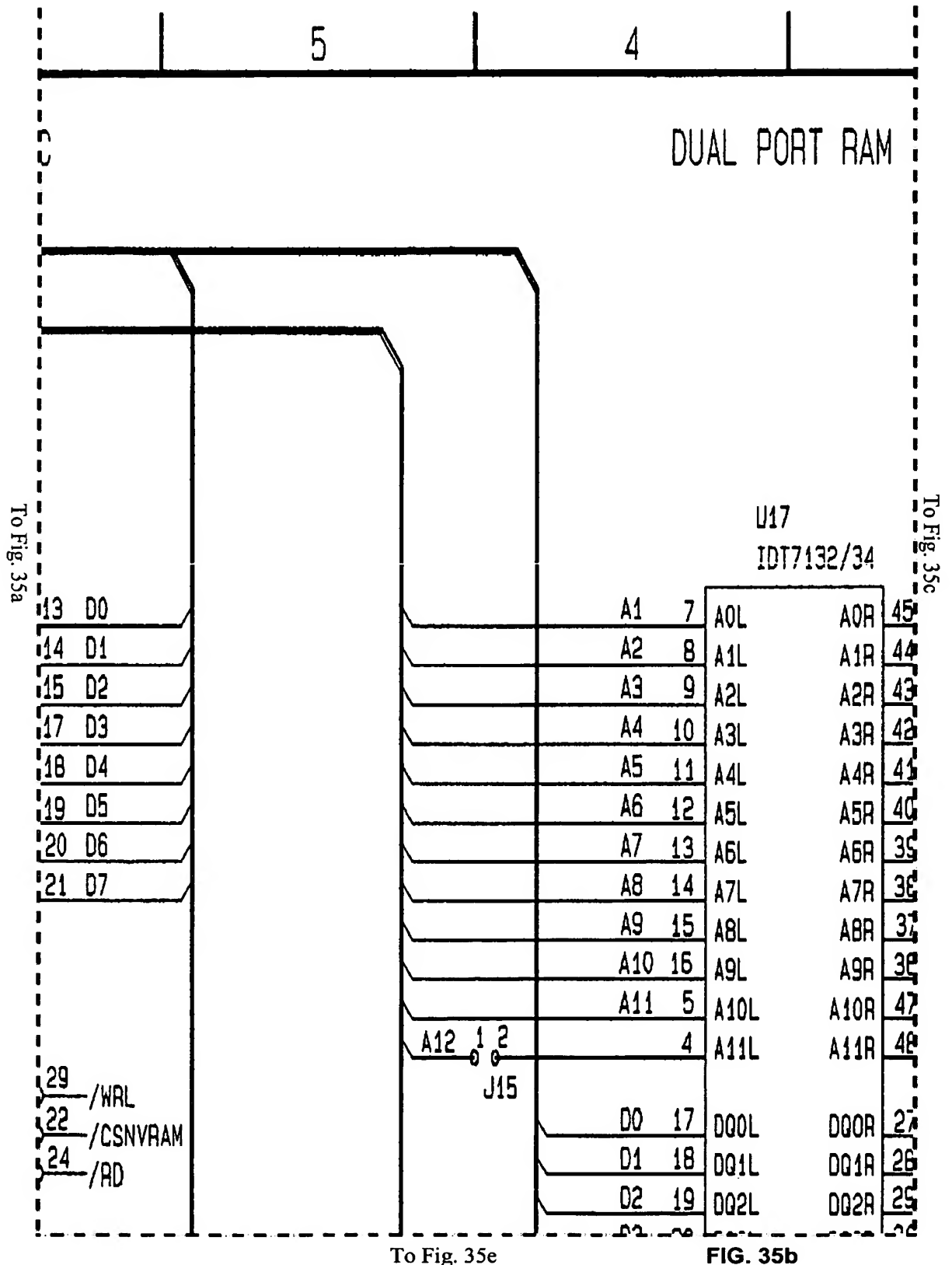
3 2 1

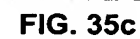
FIG. 34i



To Fig. 35d

FIG. 35a





To Fig. 35a

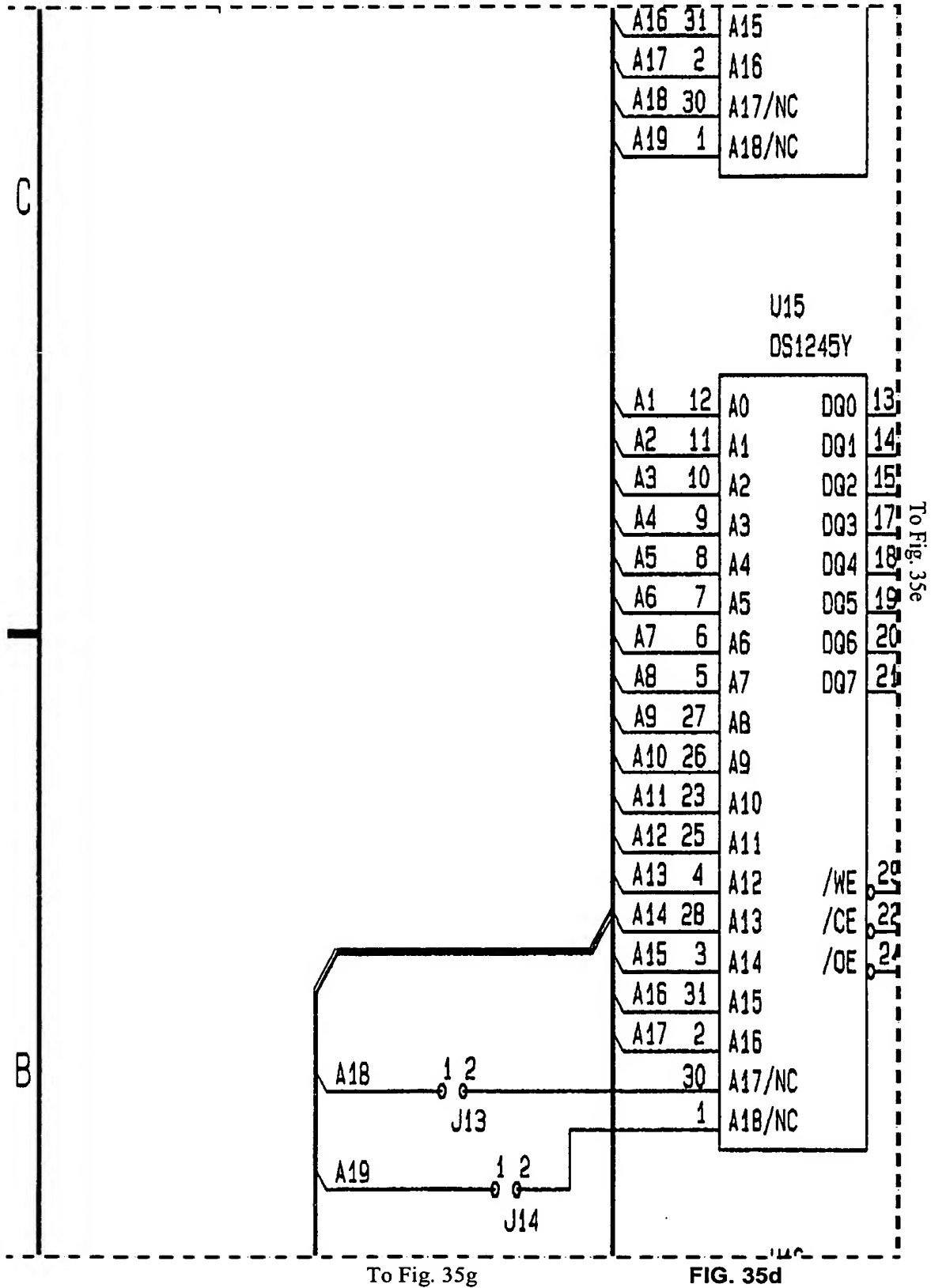
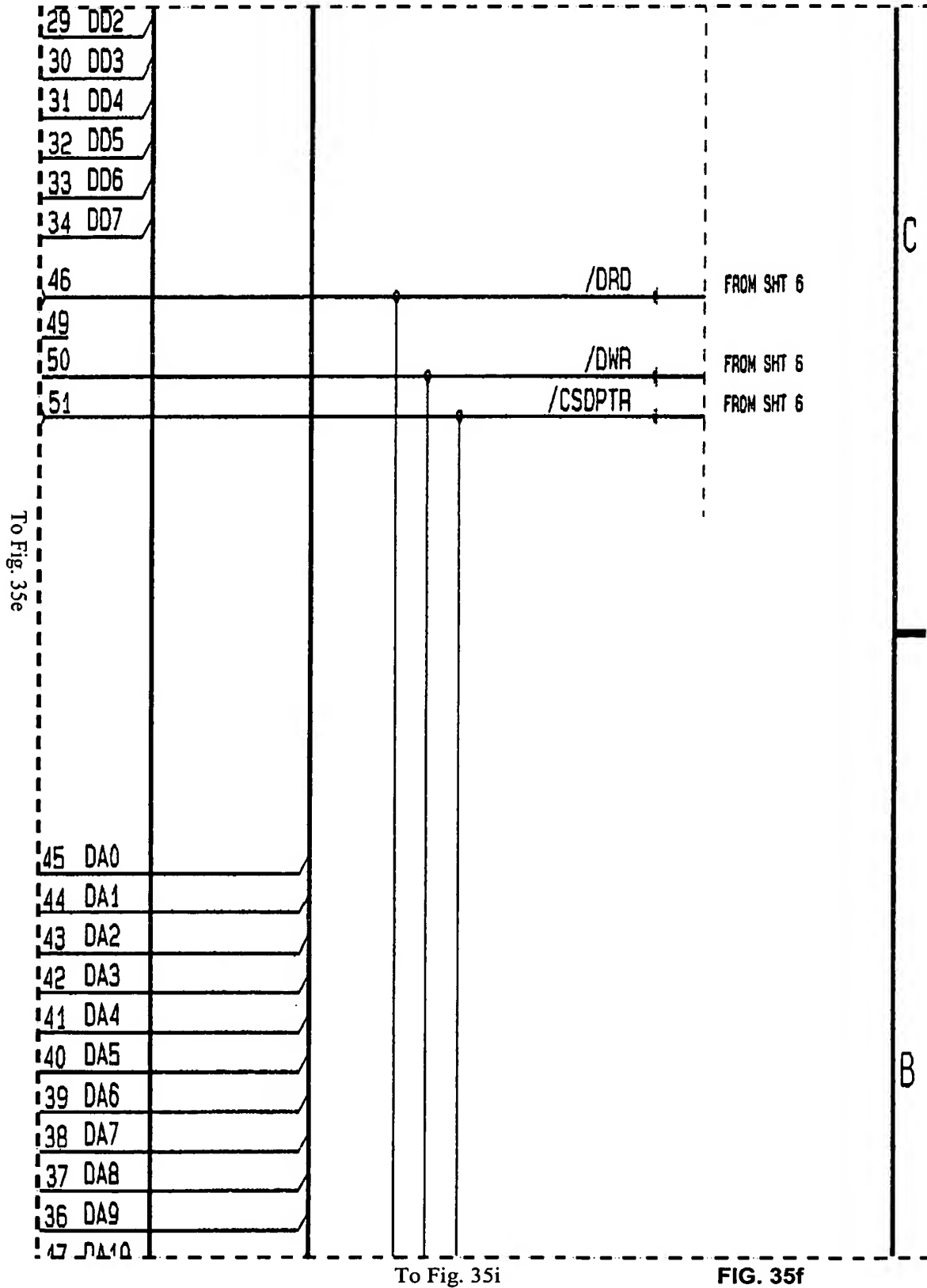
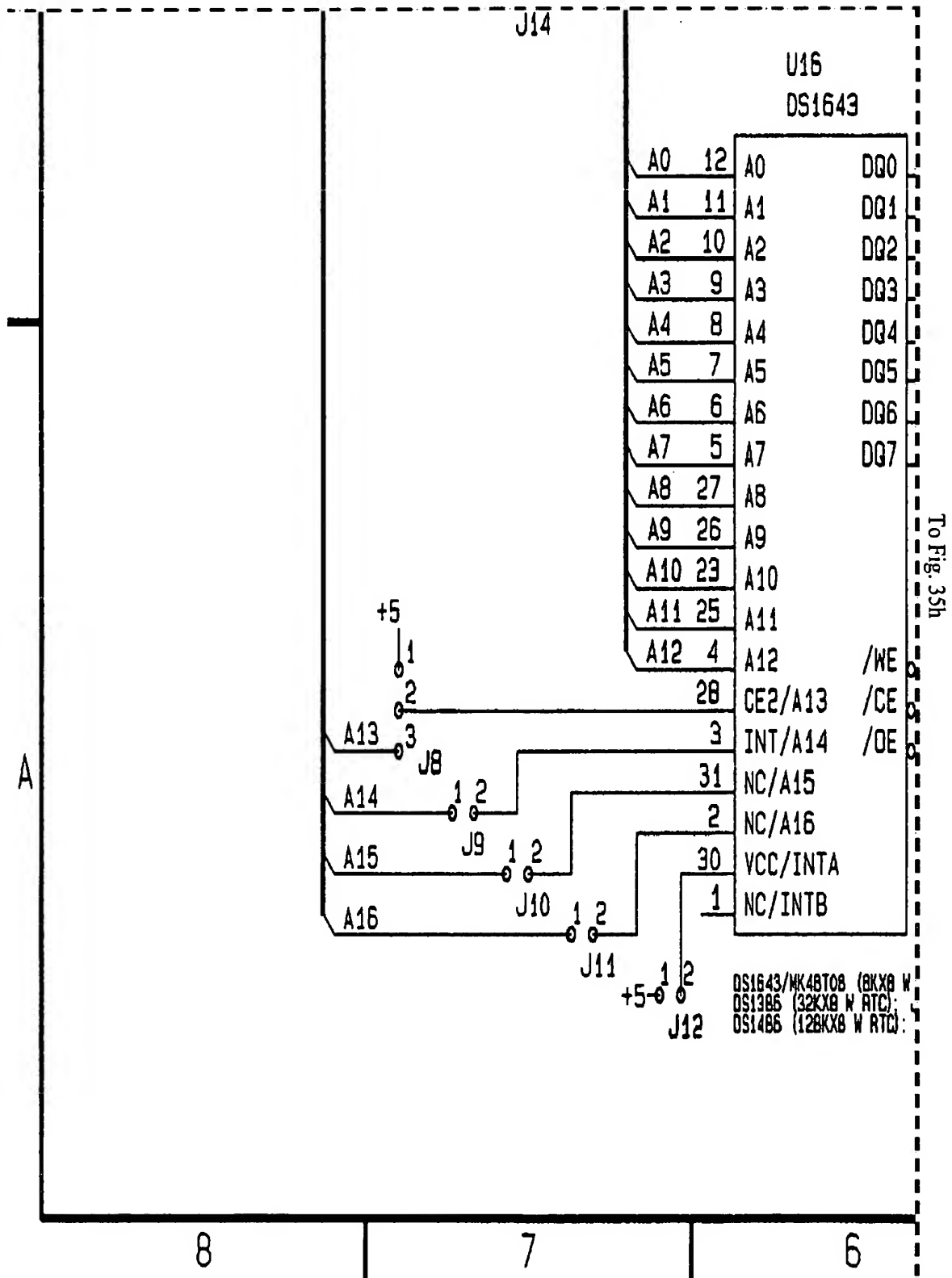


FIG. 35e

To Fig. 35c



To Fig. 35d



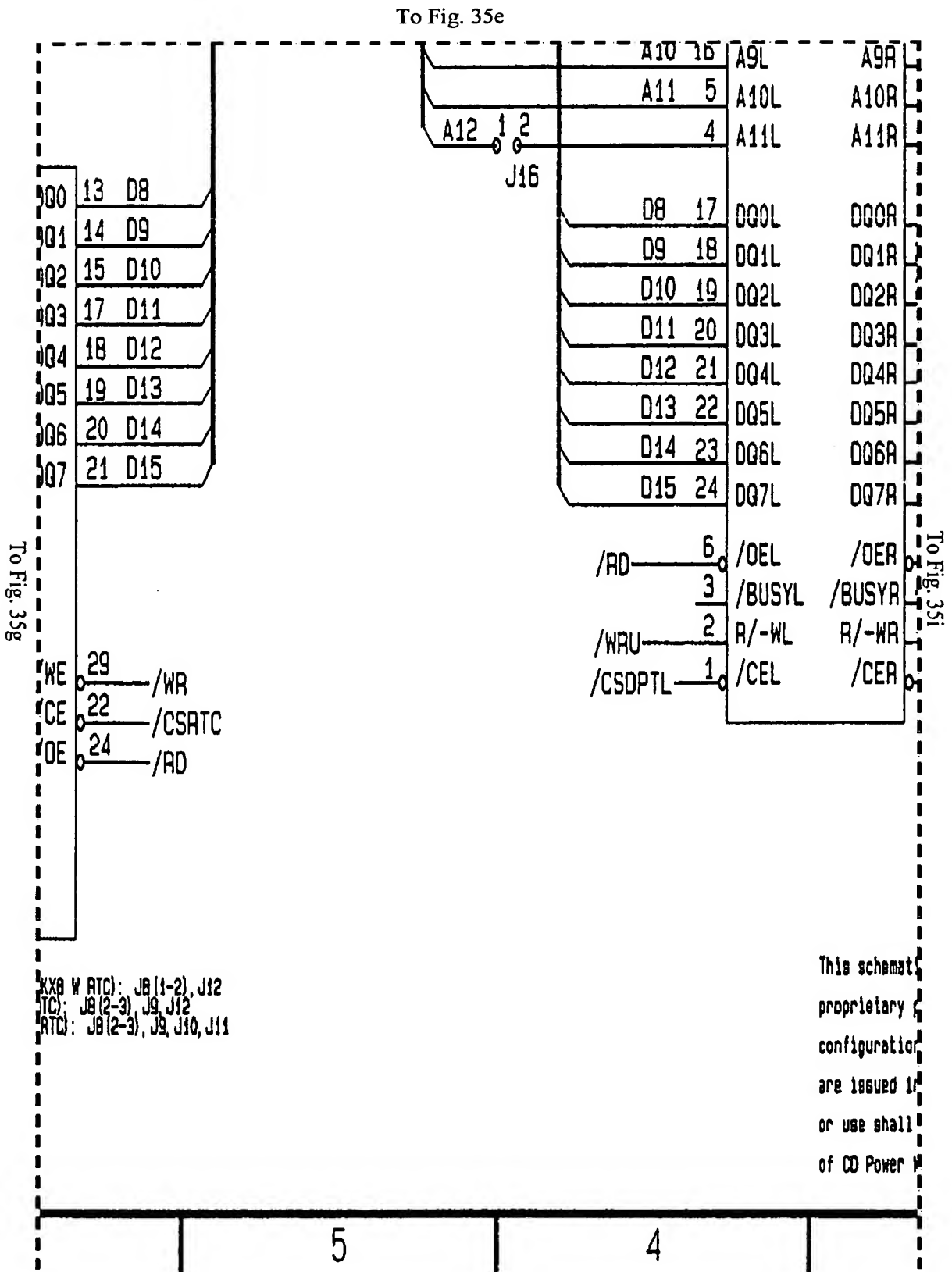
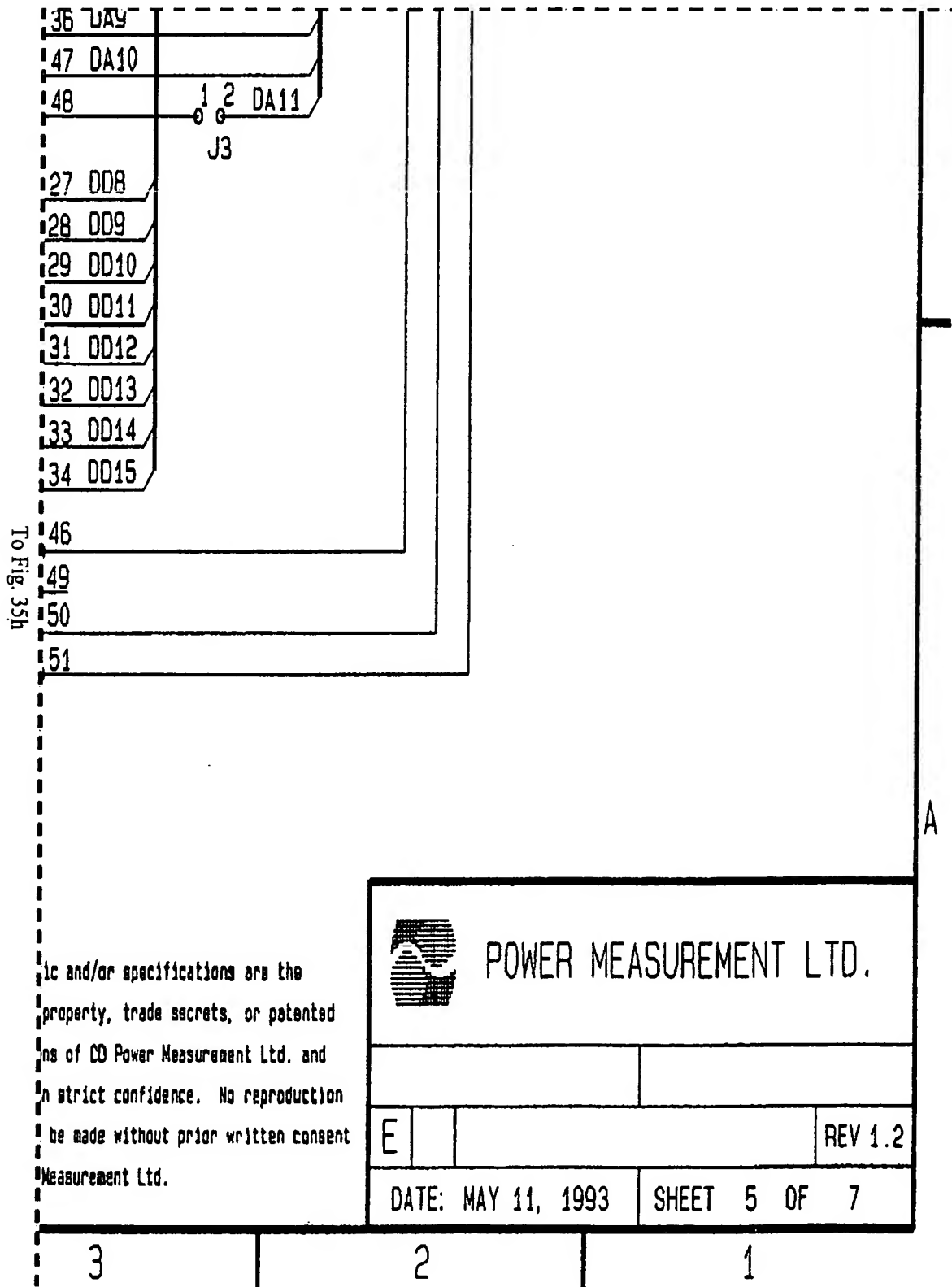


FIG. 35h

To Fig. 35f



ic and/or specifications are the
property, trade secrets, or patented
ns of CD Power Measurement Ltd. and
n strict confidence. No reproduction
be made without prior written consent
Measurement Ltd.



POWER MEASUREMENT LTD.

E

REV 1.2

DATE: MAY 11, 1993

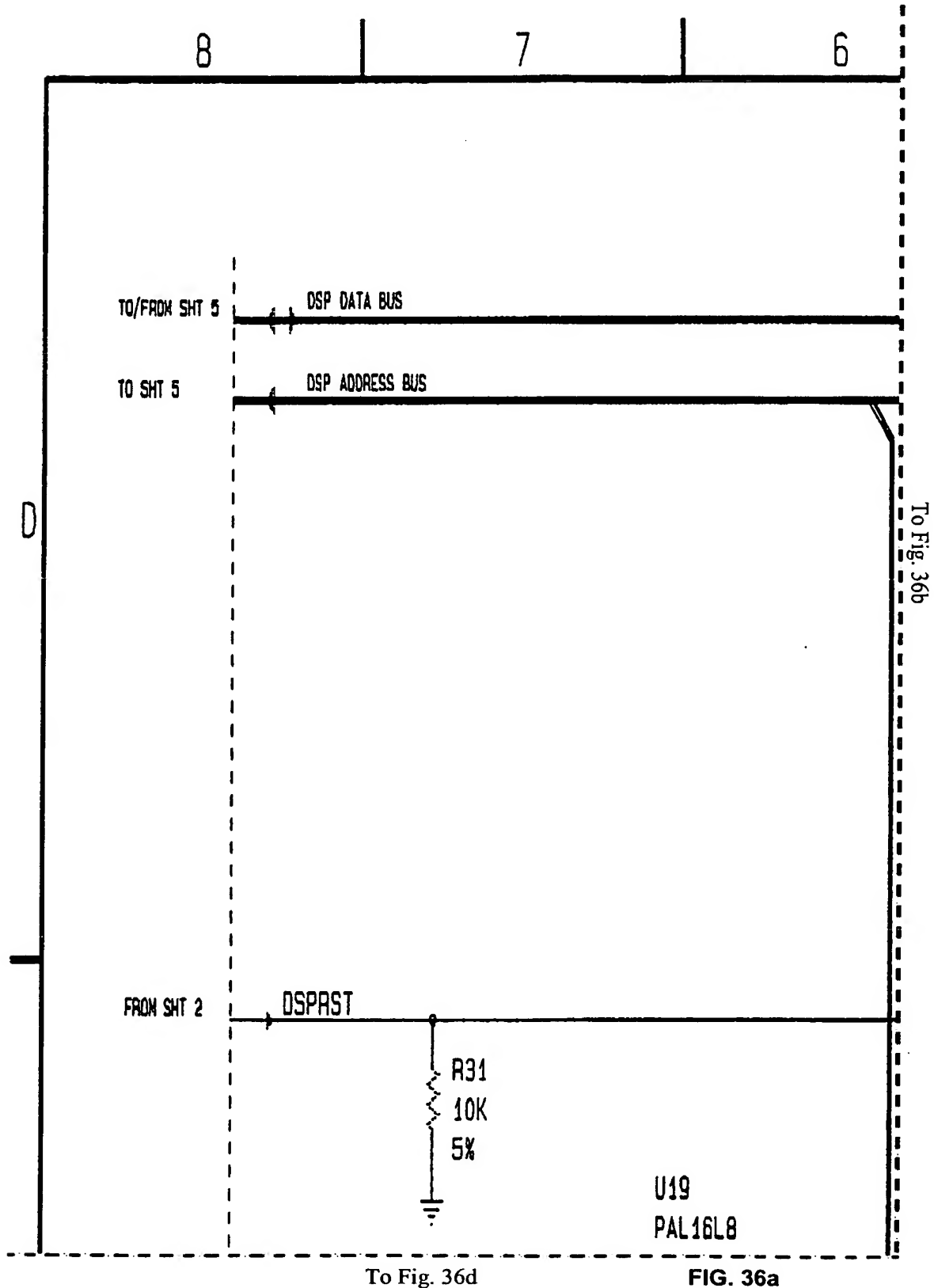
SHEET 5 OF 7

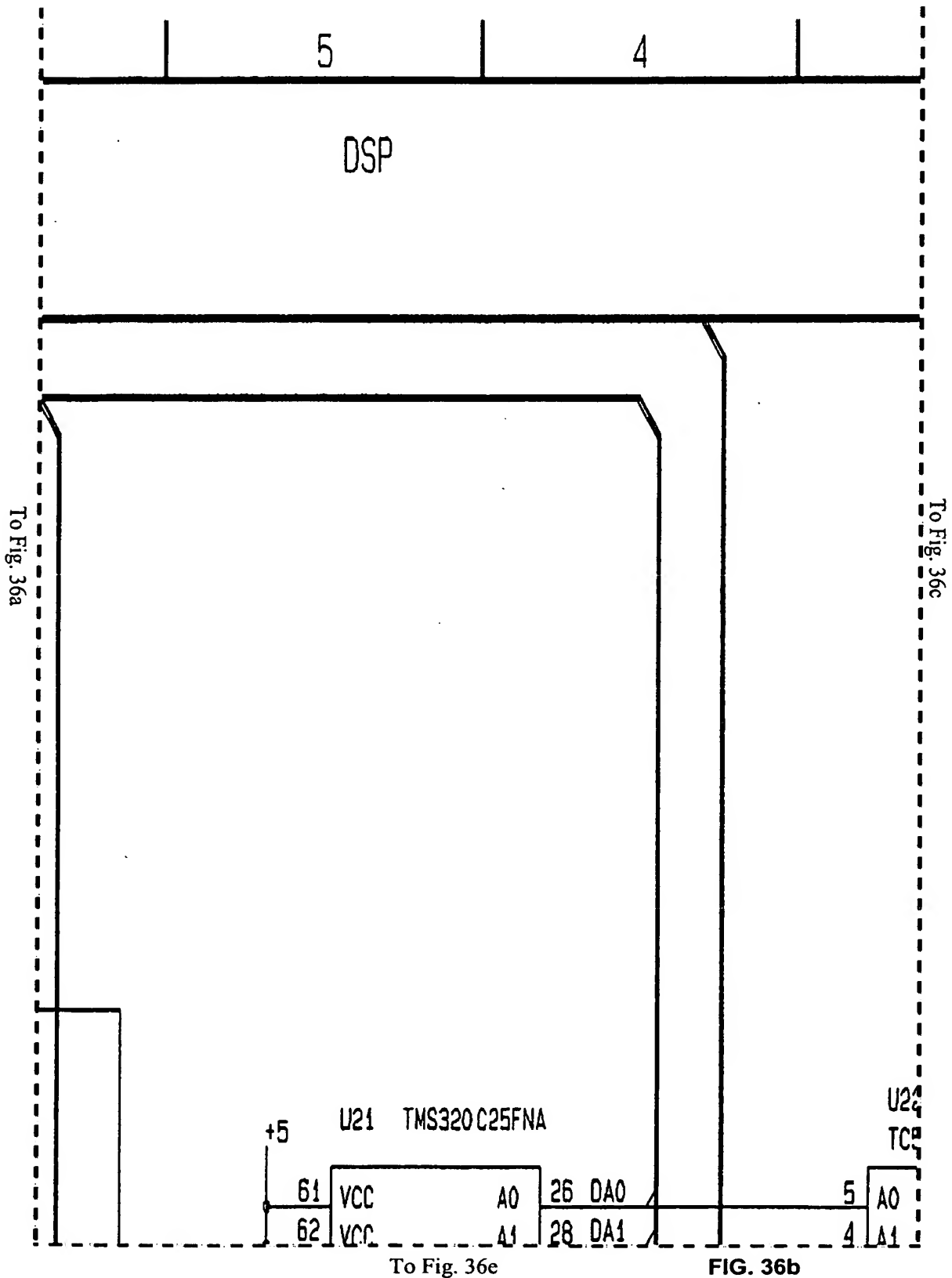
3

2

1

FIG. 35i





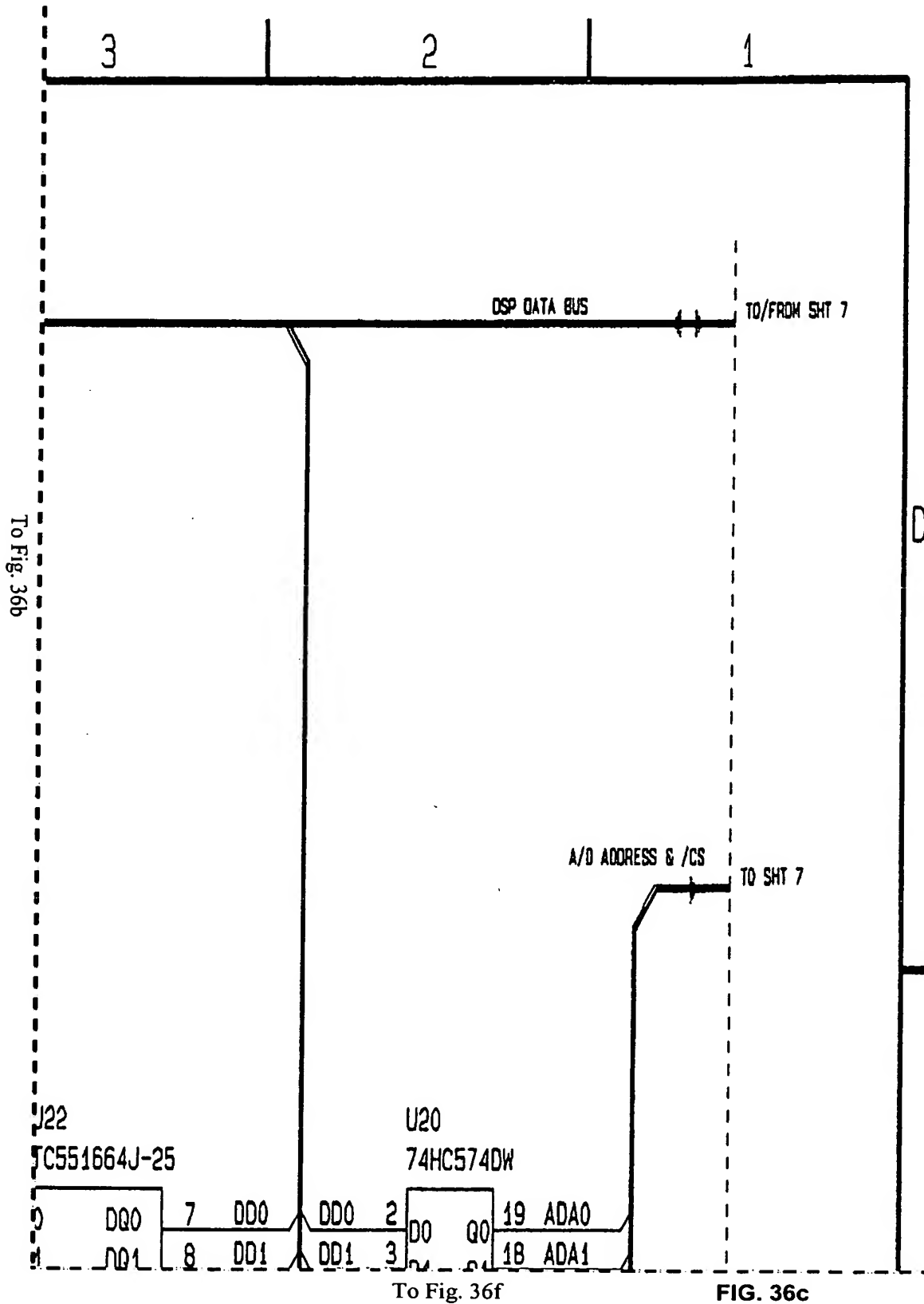


FIG. 36c

PAL 16L8

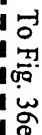
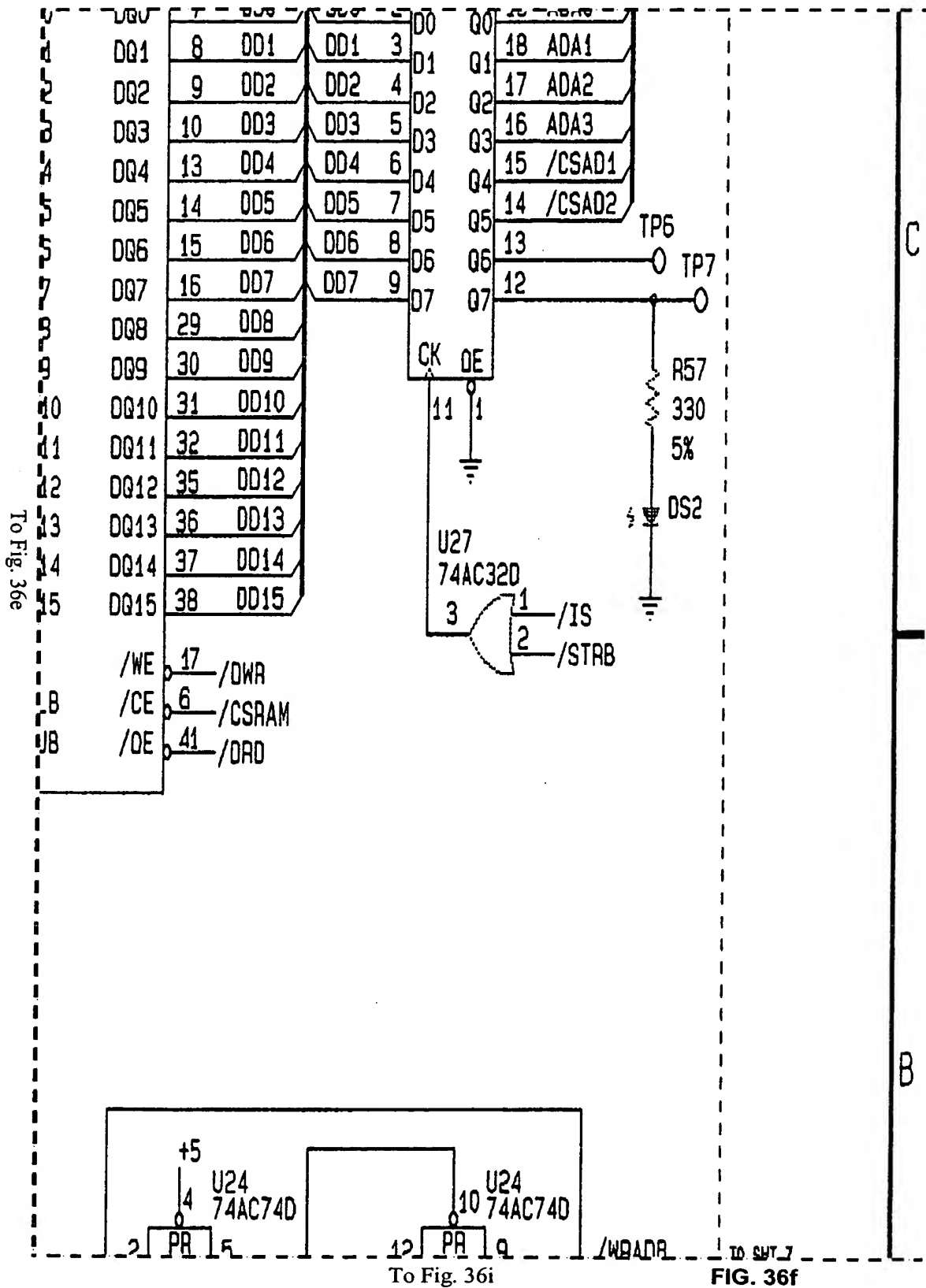


FIG. 36d

New Sheet

FIG. 36e

To Fig. 36c



To Fig. 36i

FIG. 36f

To Fig. 36d

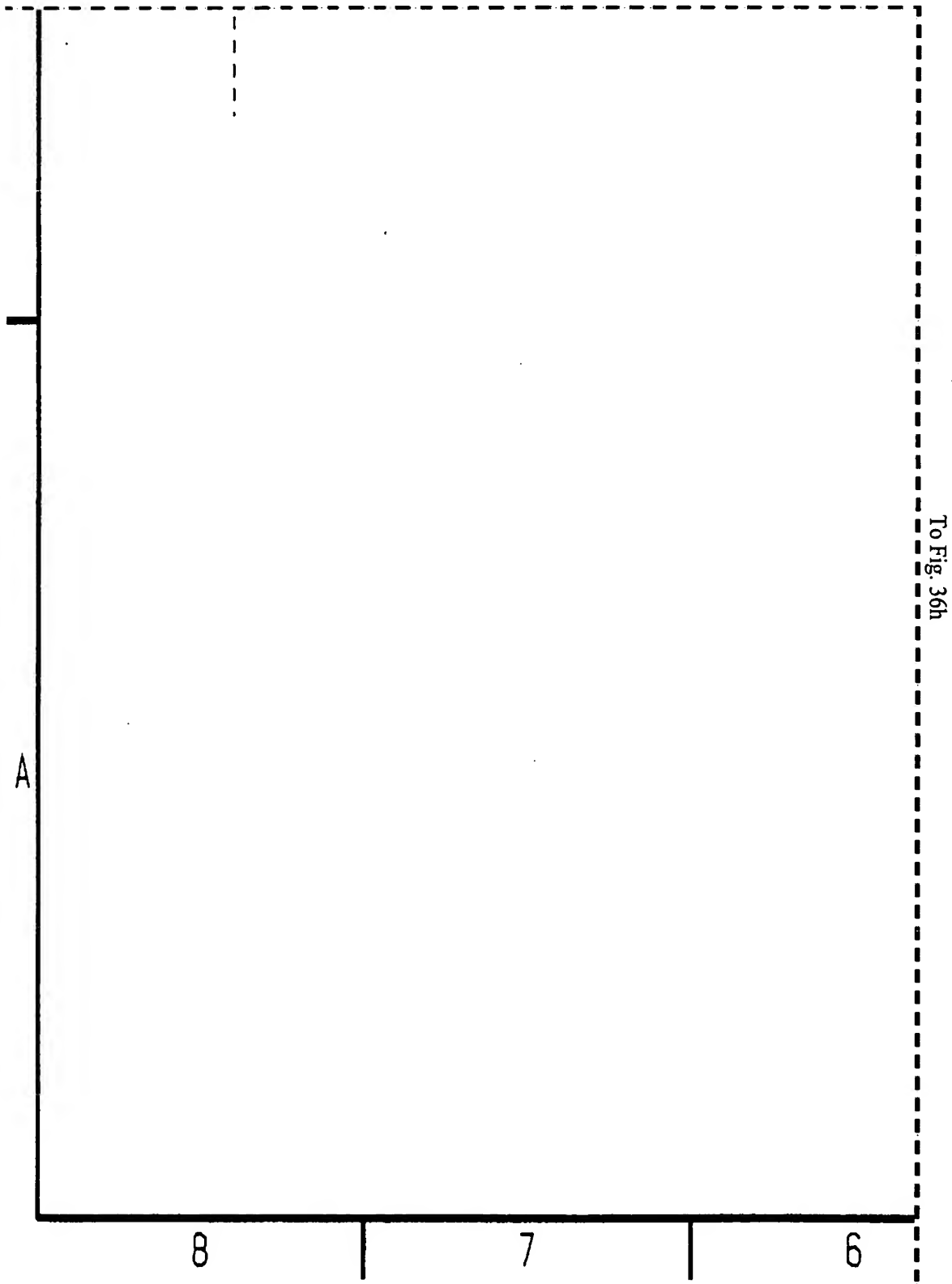


FIG. 36g

To Fig. 36e

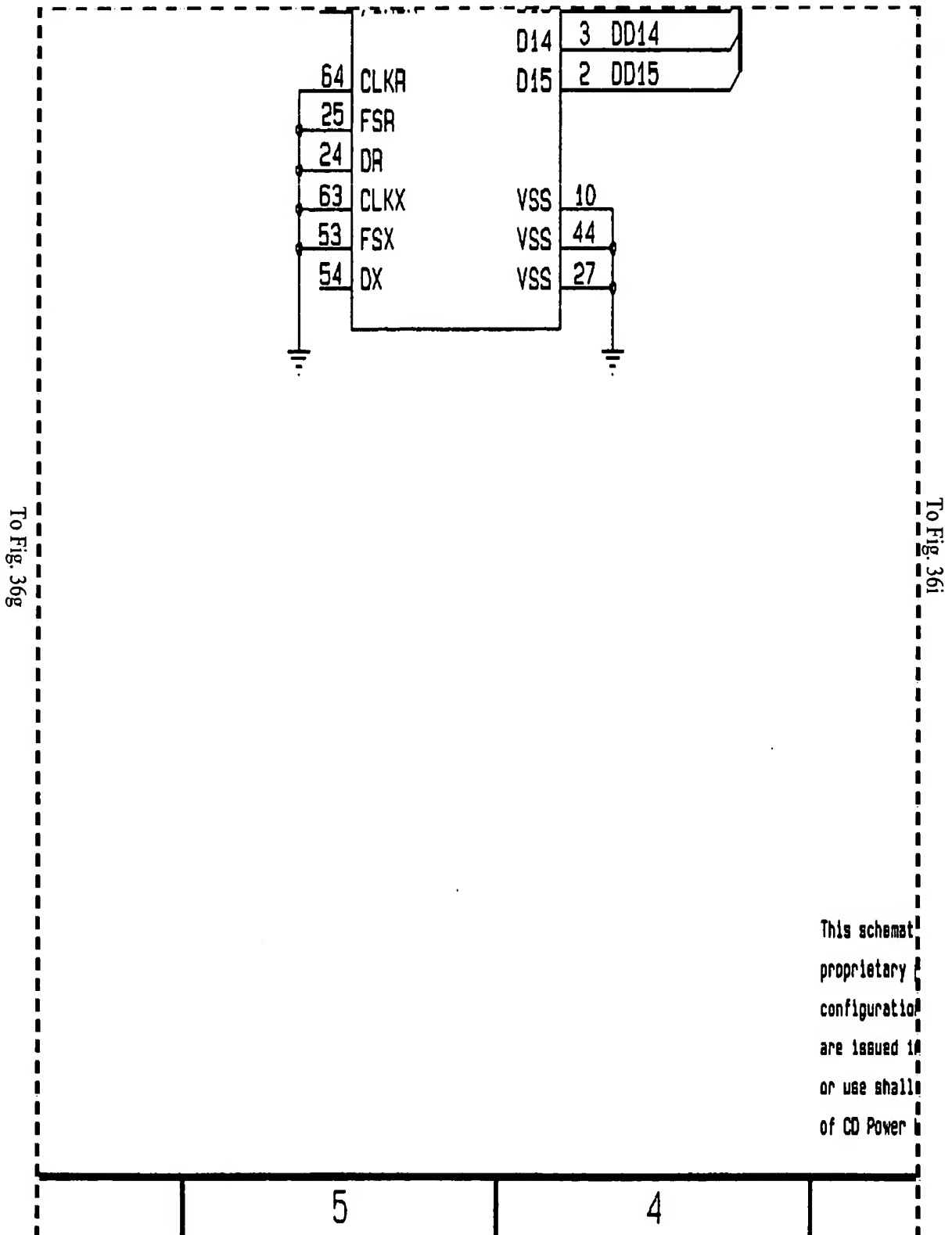
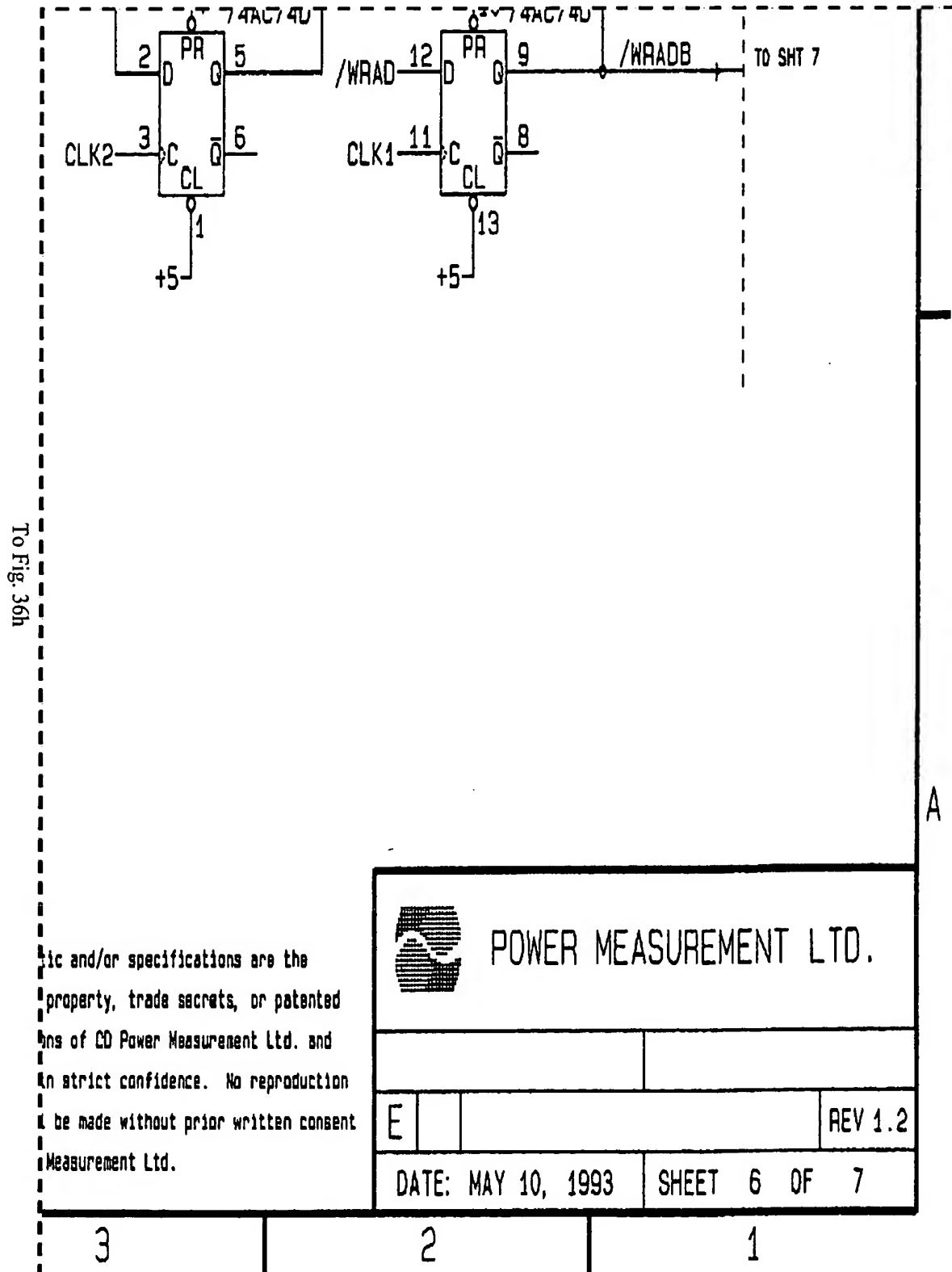


FIG. 36h

To Fig. 36f



ic and/or specifications are the
property, trade secrets, or patented
ons of CD Power Measurement Ltd. and
in strict confidence. No reproduction
be made without prior written consent
Measurement Ltd.



POWER MEASUREMENT LTD.

E

REV 1.2

DATE: MAY 10, 1993

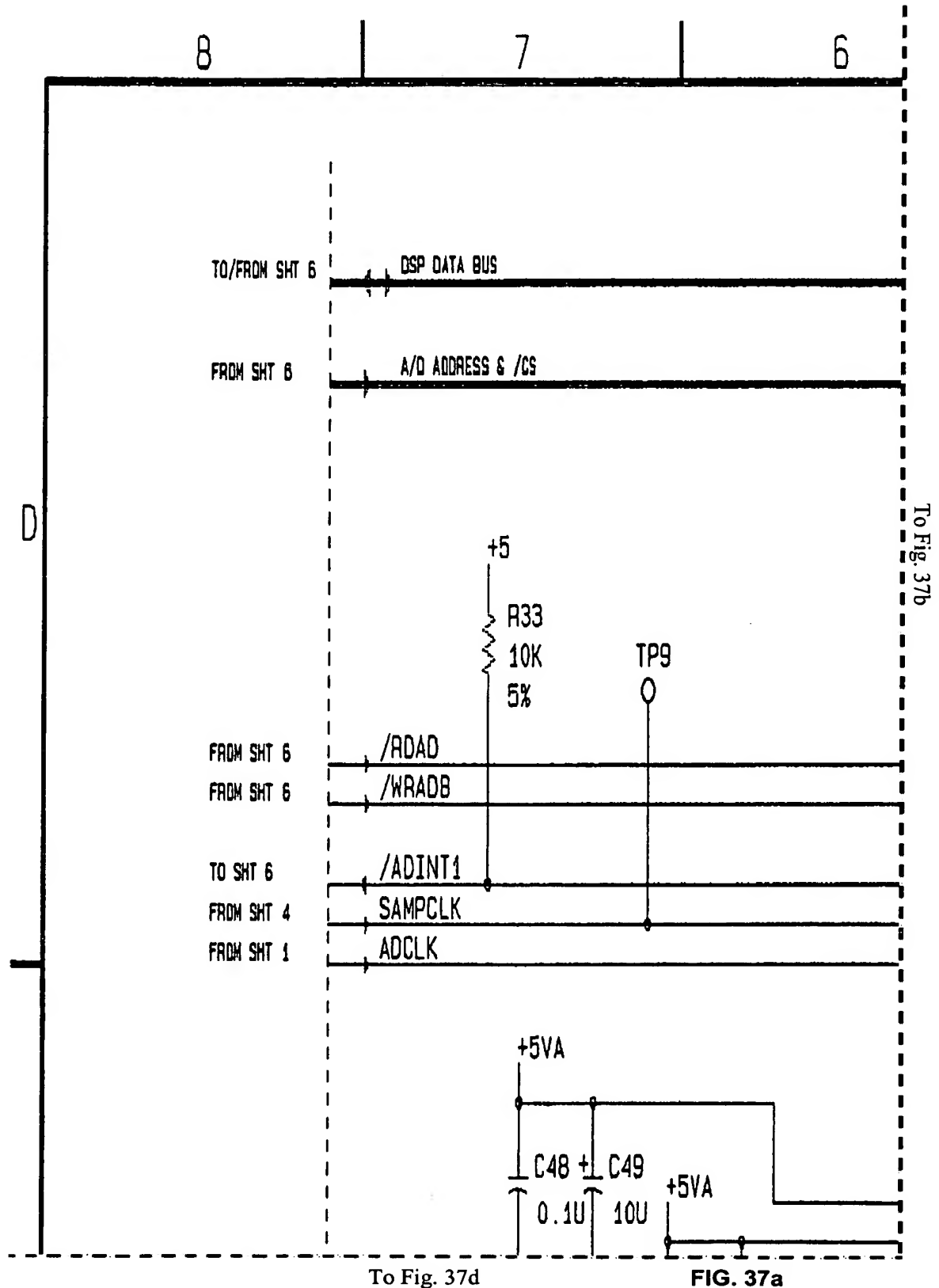
SHEET 6 OF 7

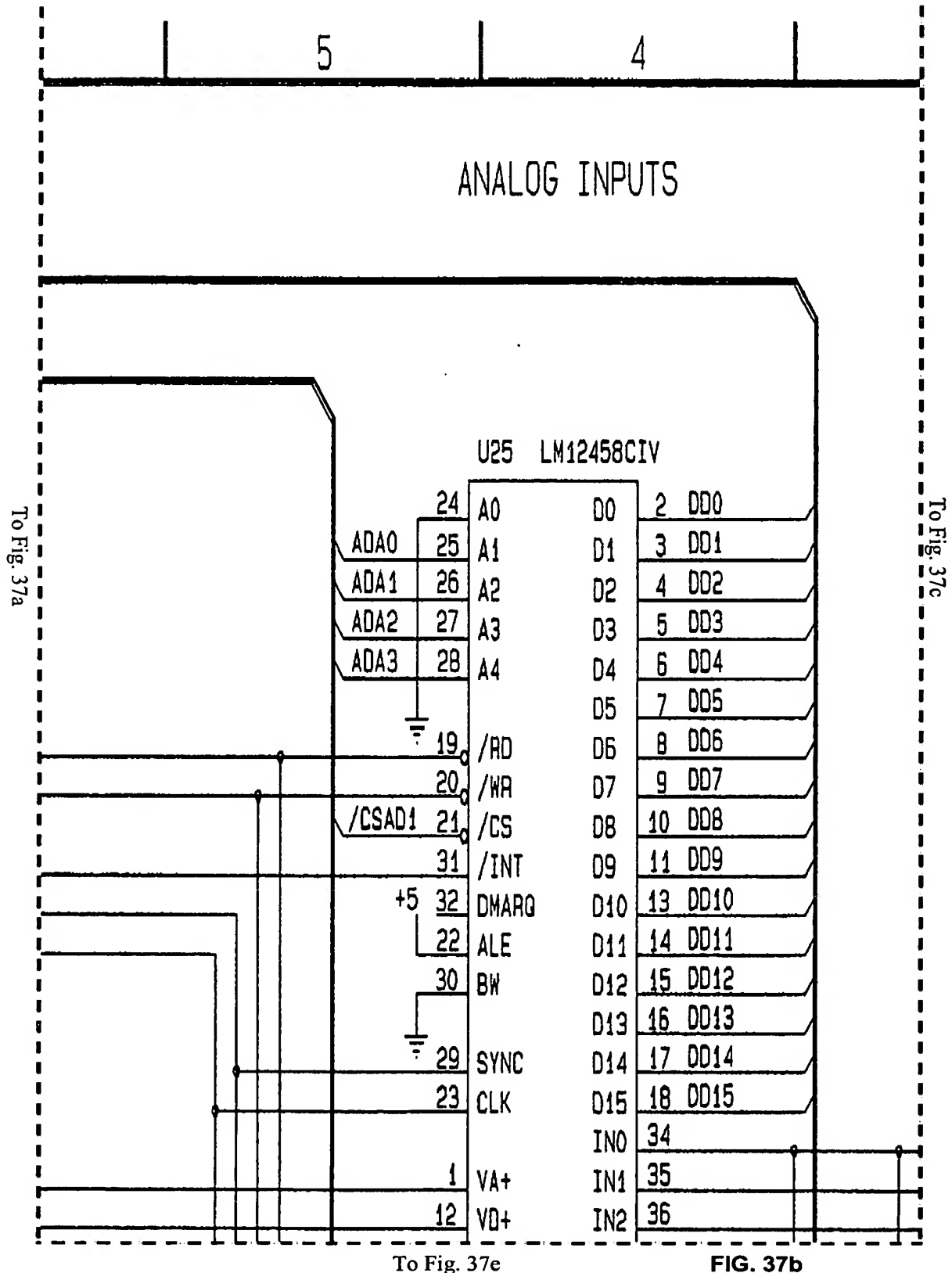
3

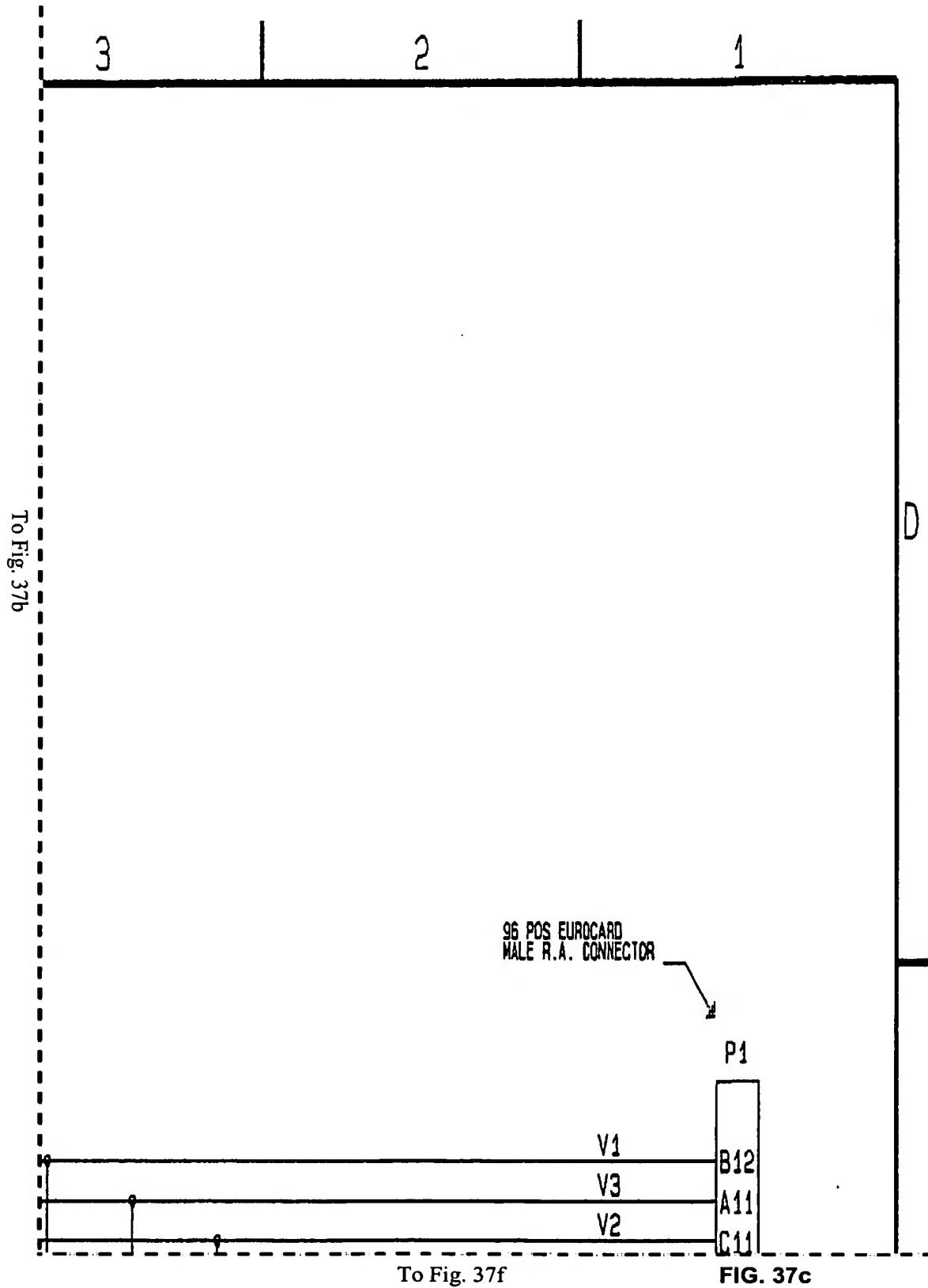
2

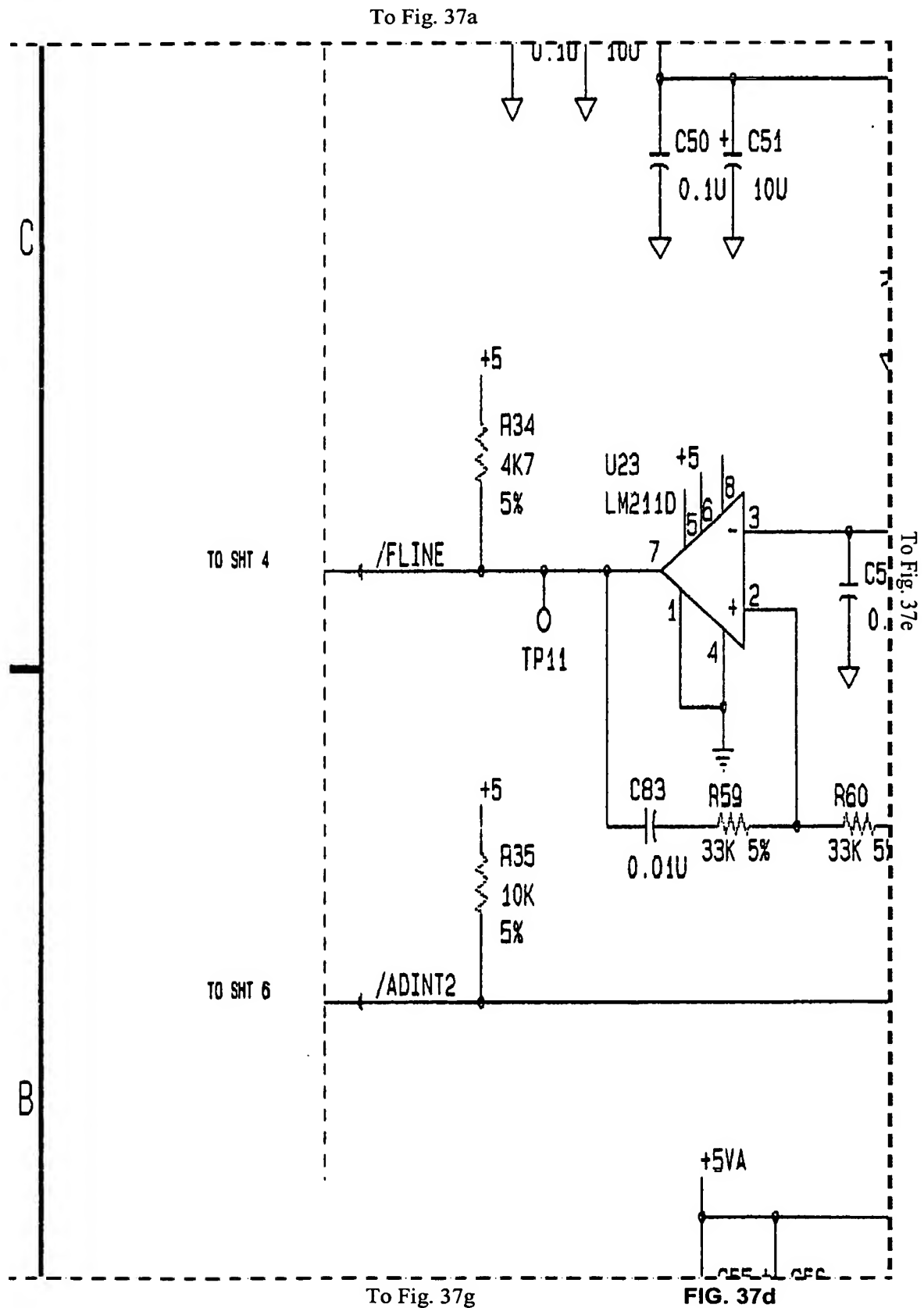
1

FIG. 36i

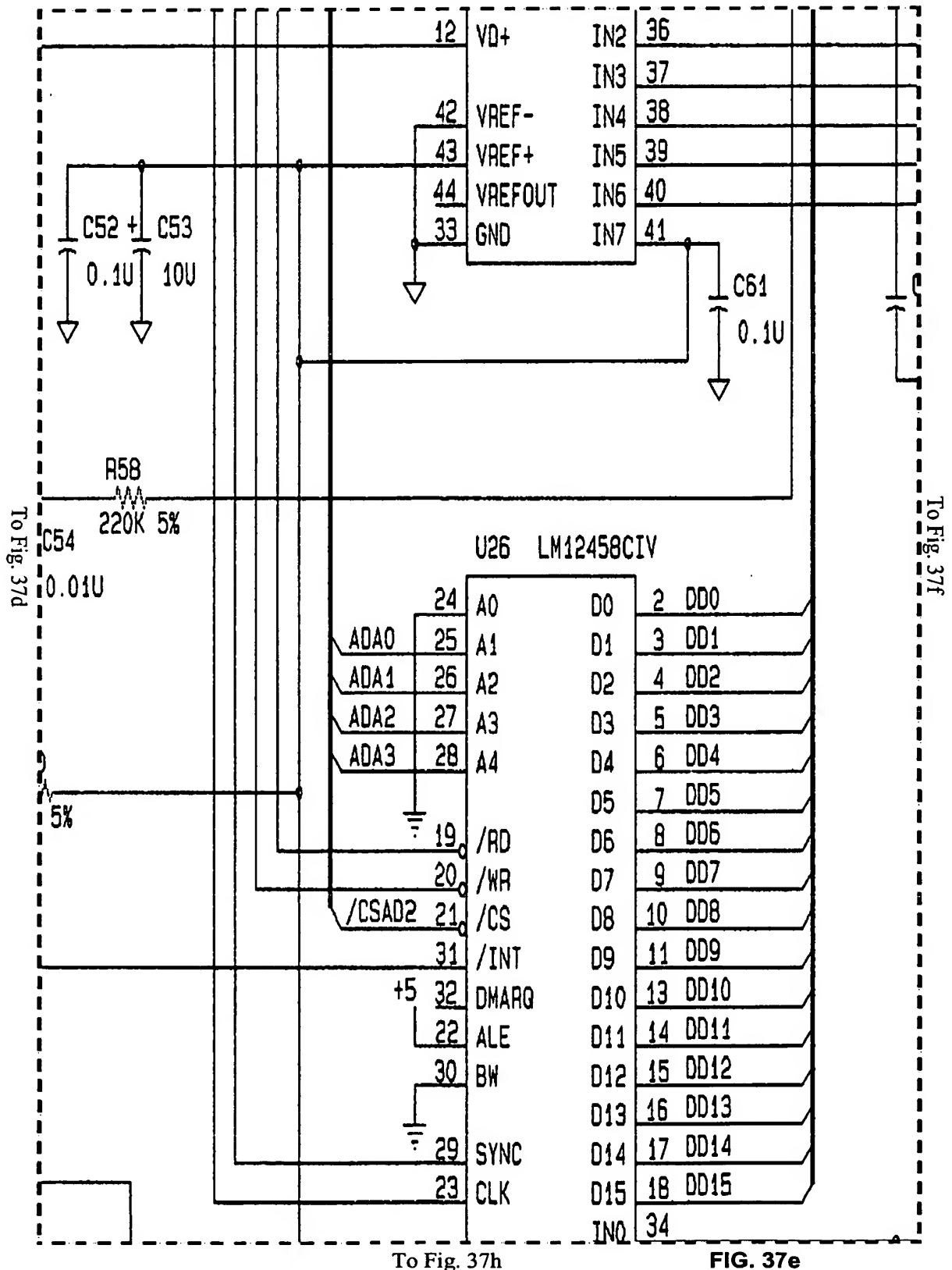




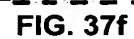




To Fig. 37b



To Fig. 37e



To Fig. 37d

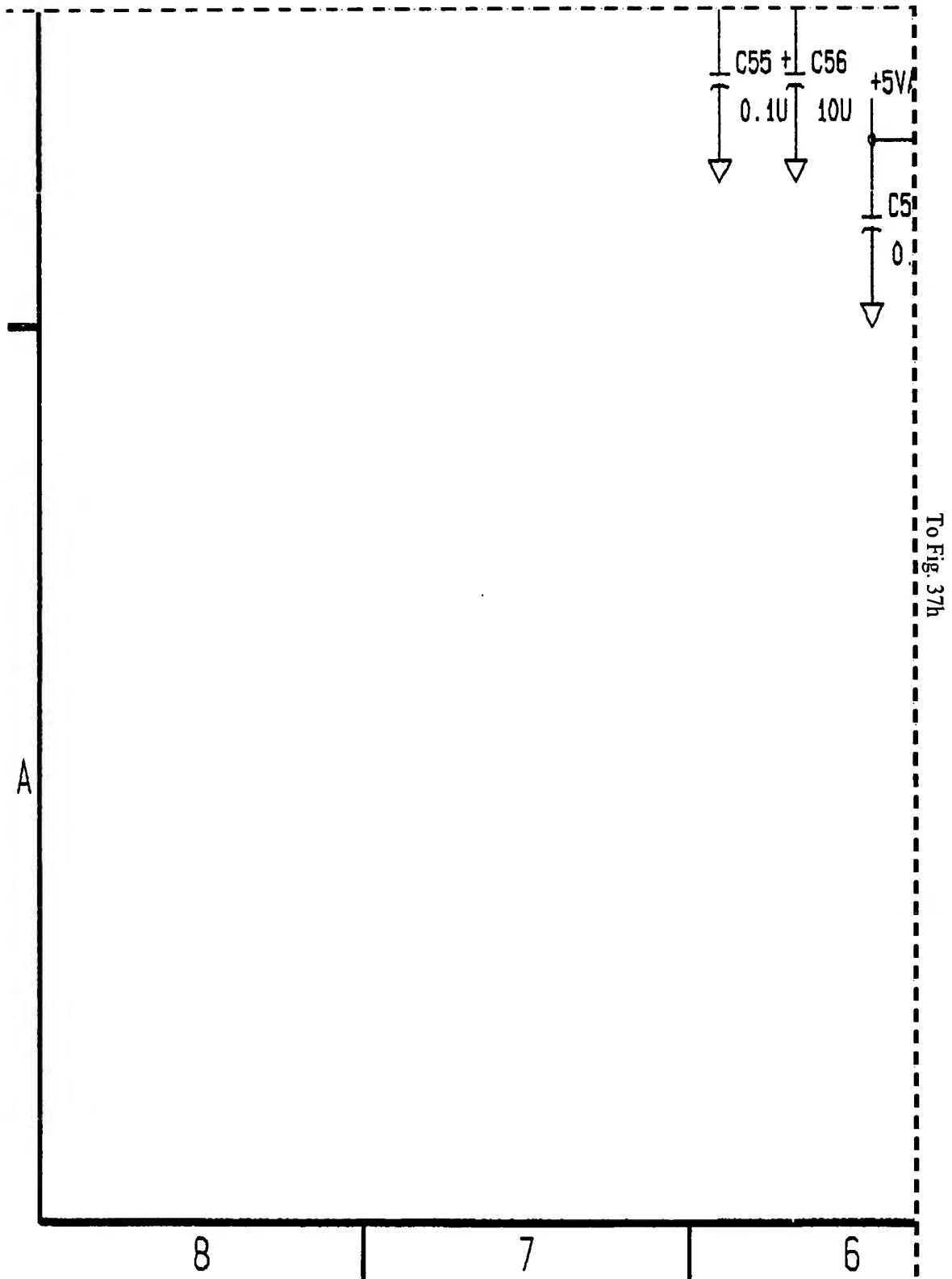
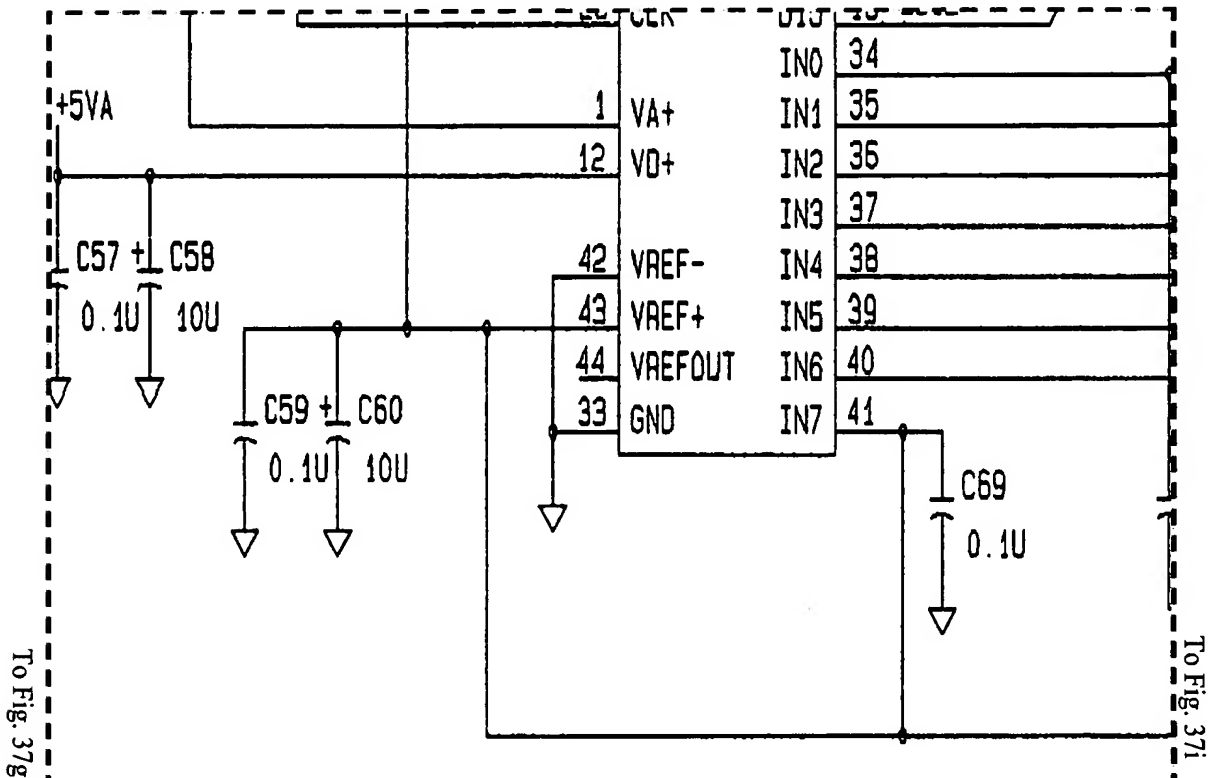


FIG. 37g

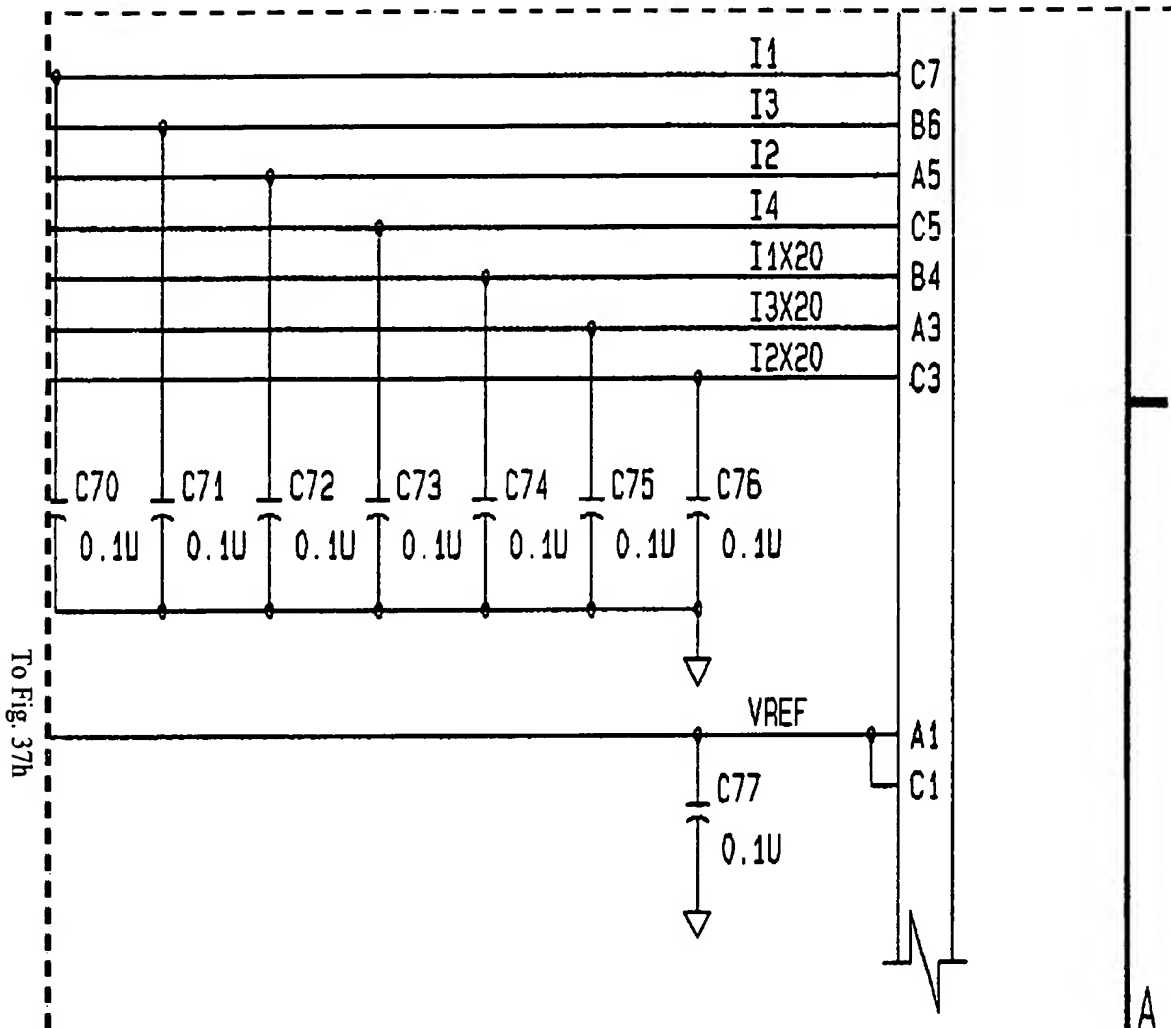
To Fig. 37e



This schematic
proprietary
configuration
are issued in
or use shall
of CD Power

FIG. 37h

To Fig. 37f



To Fig. 37h

ic and/or specifications are the
 property, trade secrets, or patented
 ns of CD Power Measurement Ltd. and
 n strict confidence. No reproduction
 be made without prior written consent
 Measurement Ltd.



POWER MEASUREMENT LTD.

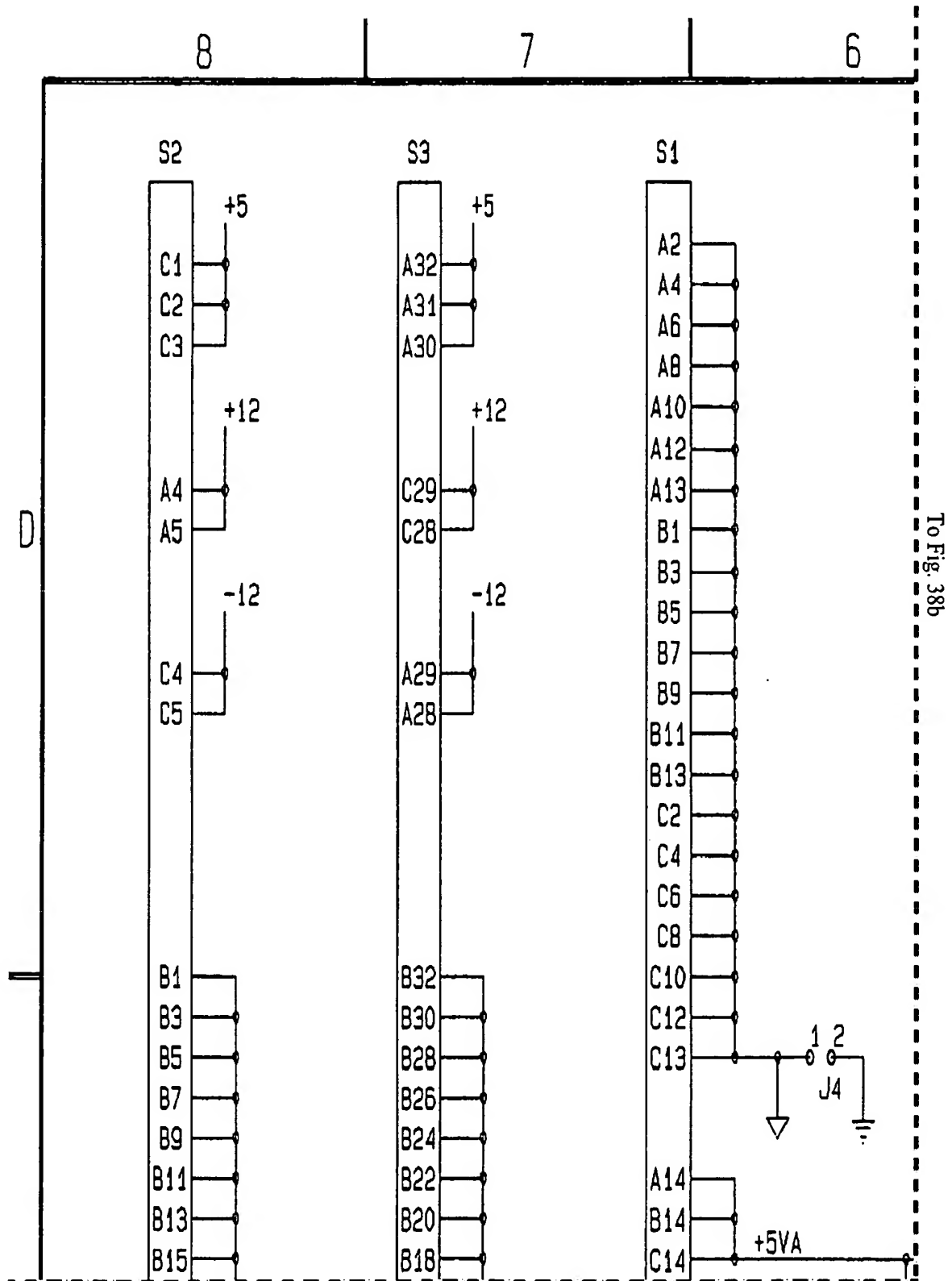
E			REV 1.2
DATE: MAY 12, 1993		SHEET 7 OF 7	

3

2

1

FIG. 37i



To Fig. 38d

FIG. 38a

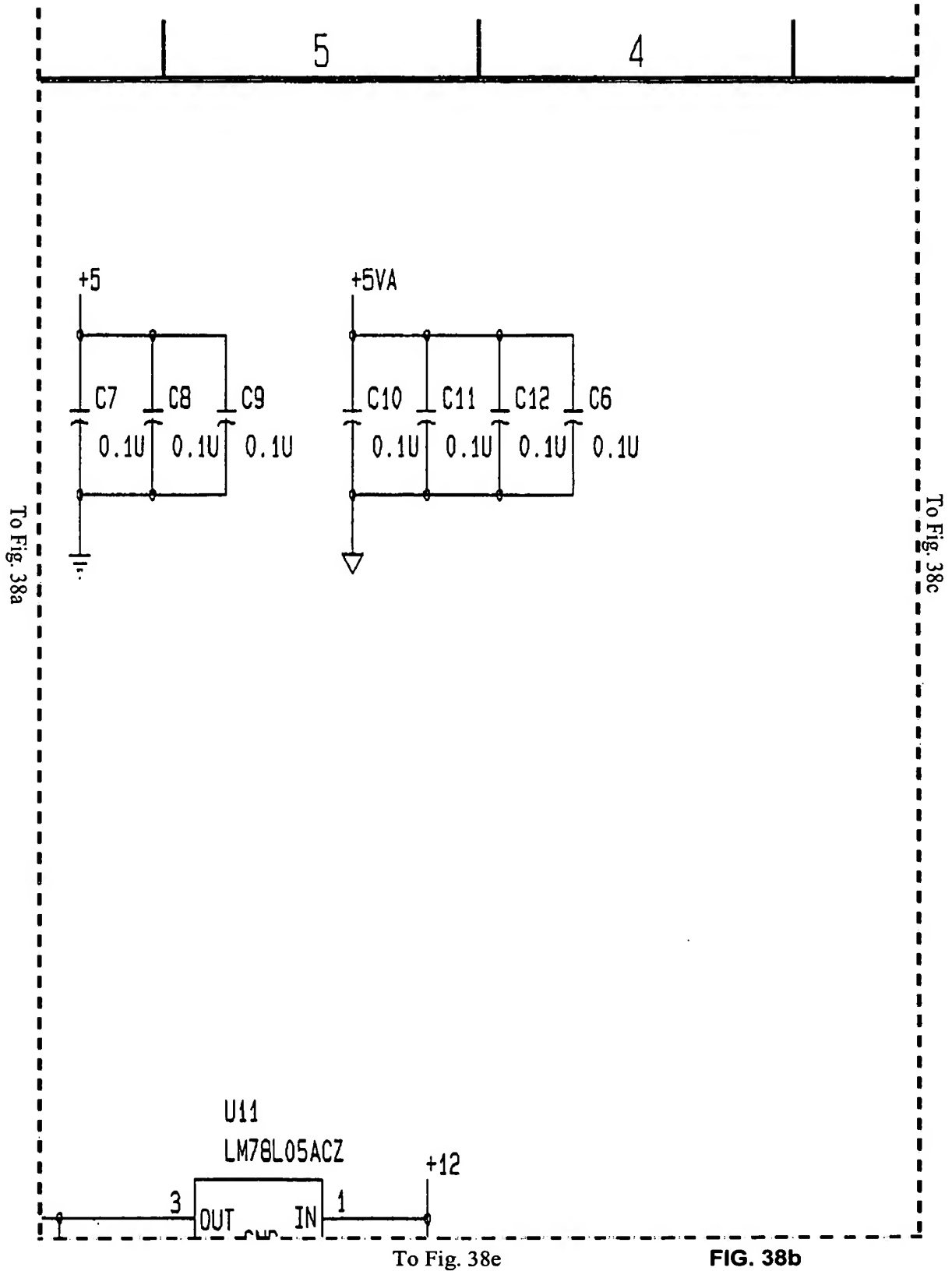
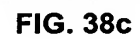
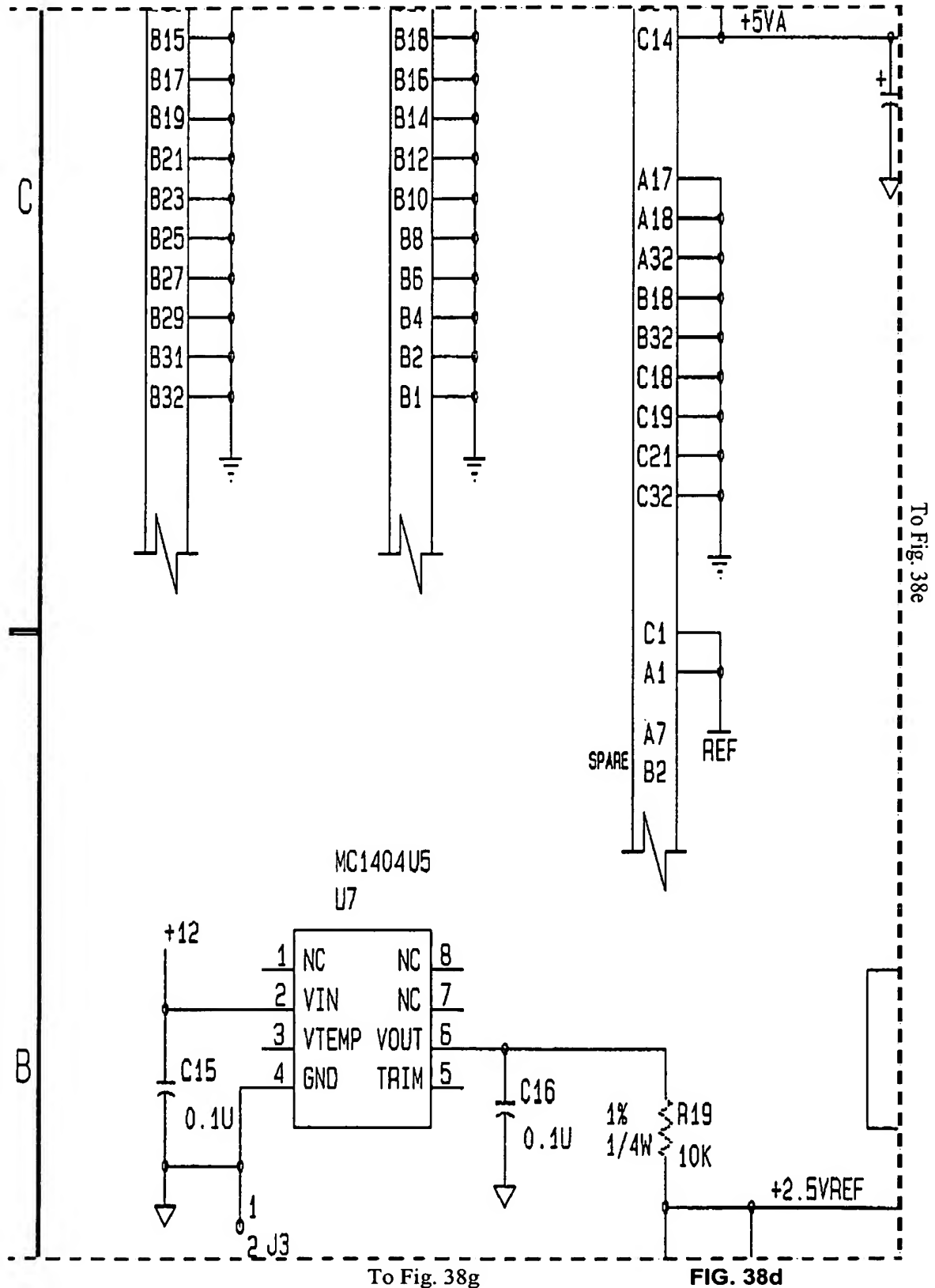
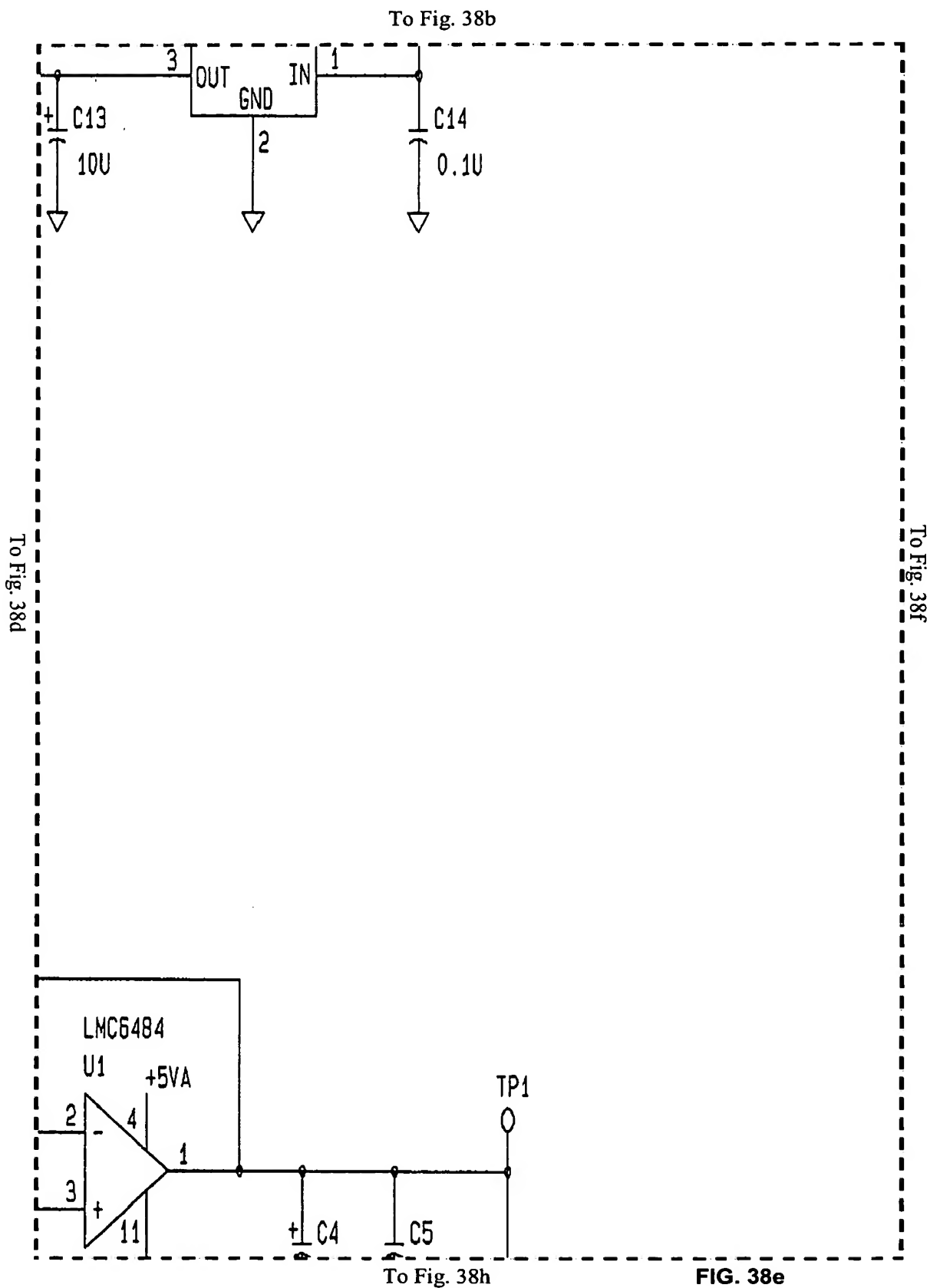


FIG. 38b



To Fig. 38a





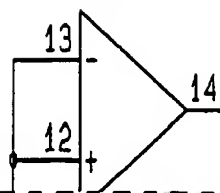
To Fig. 38c

To Fig. 38e

SPARES

LMC6484

U10



To Fig. 38i

FIG. 38f

C

B

TS1

L 2

N 3

G 1

1% 1/2W R1 2M

500 uH L2

500 uH L1

P1 3 5 1

P2 4 7 5 3 6

1% 1/4W R20 10K

0.1uF C17

POWER SUPPLY

RED

ORG

PUR

BLK

GRY

TP

8 7 6

To Fig. 38h

FIG. 38g

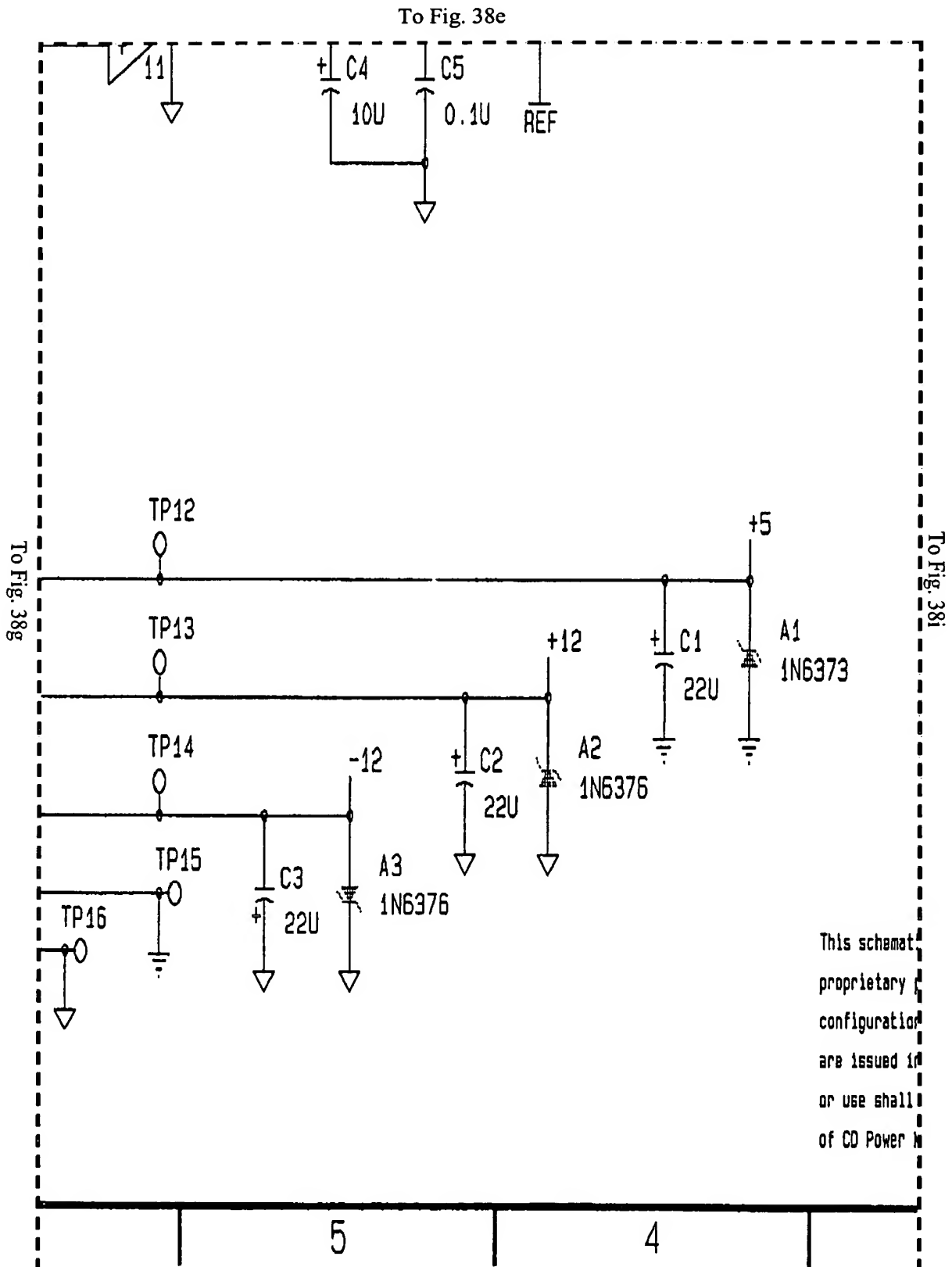


FIG. 38h

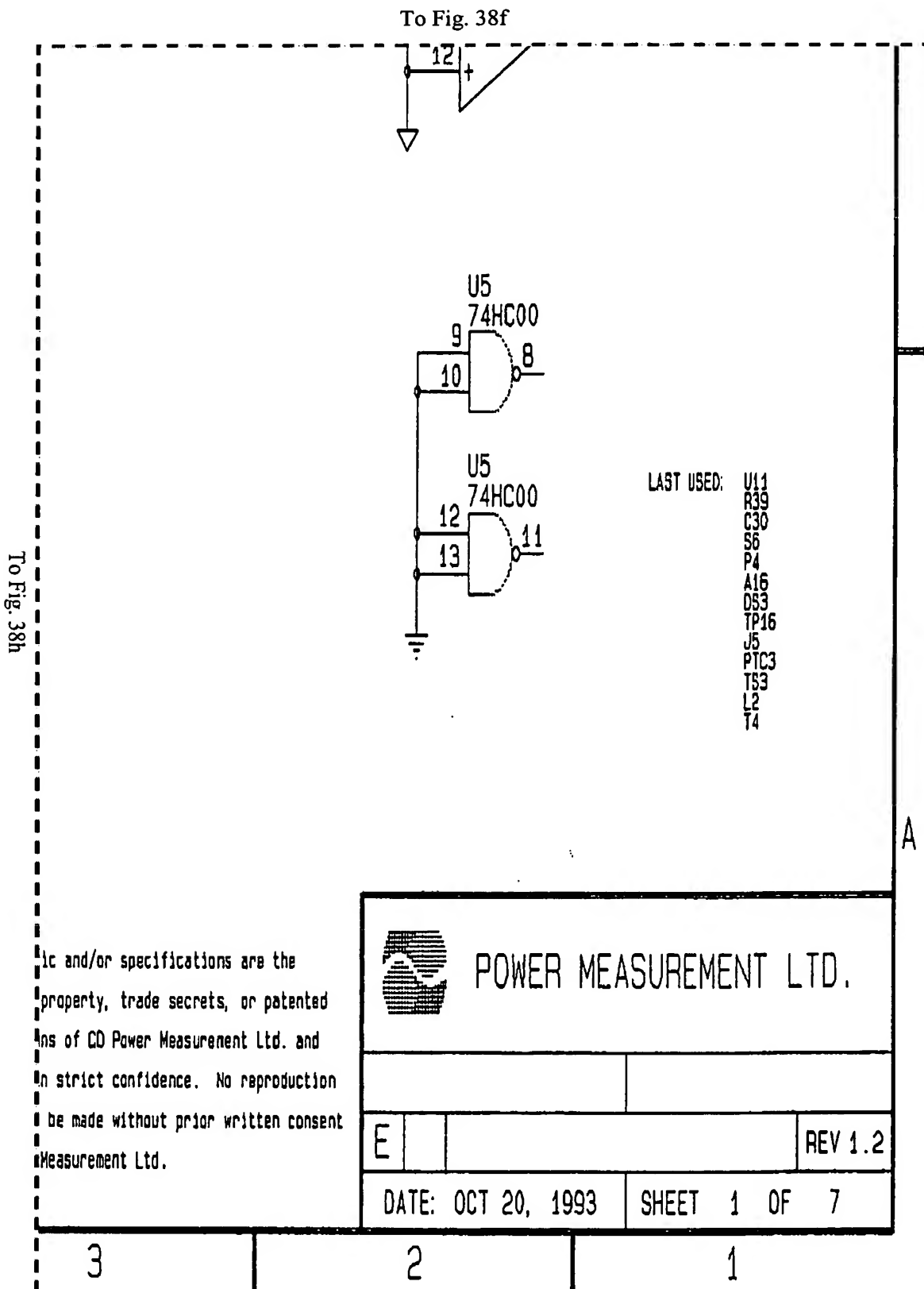
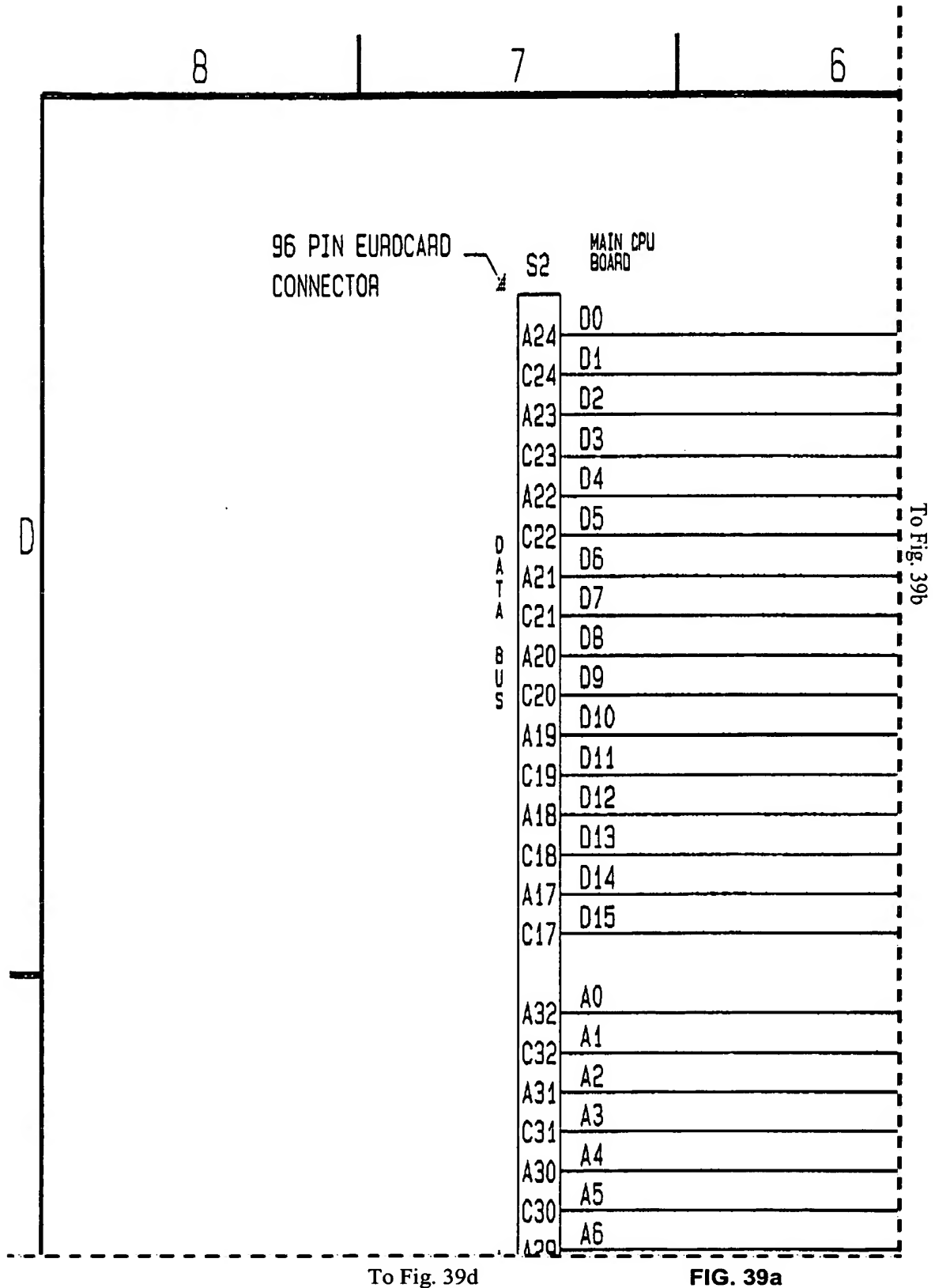
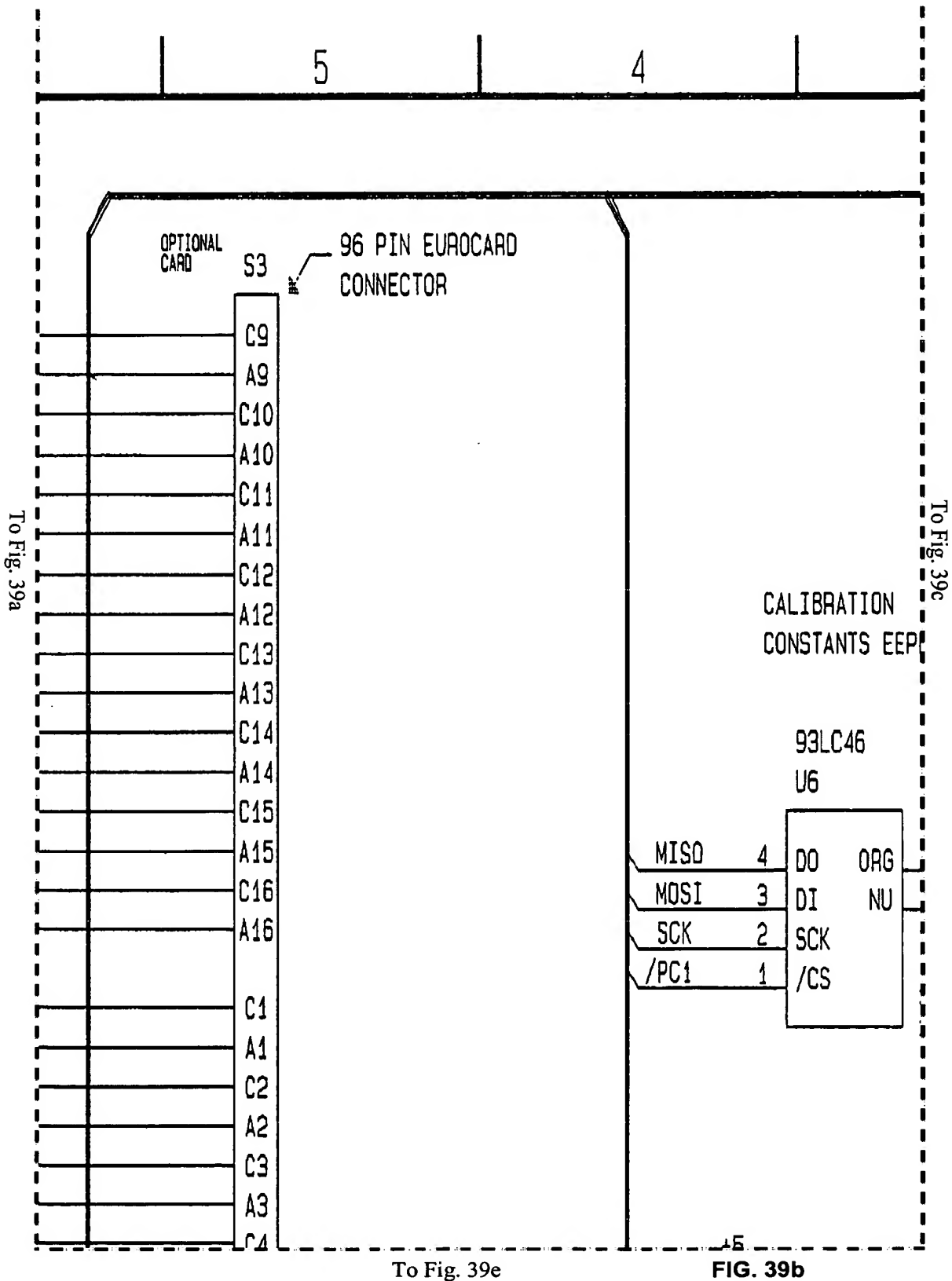
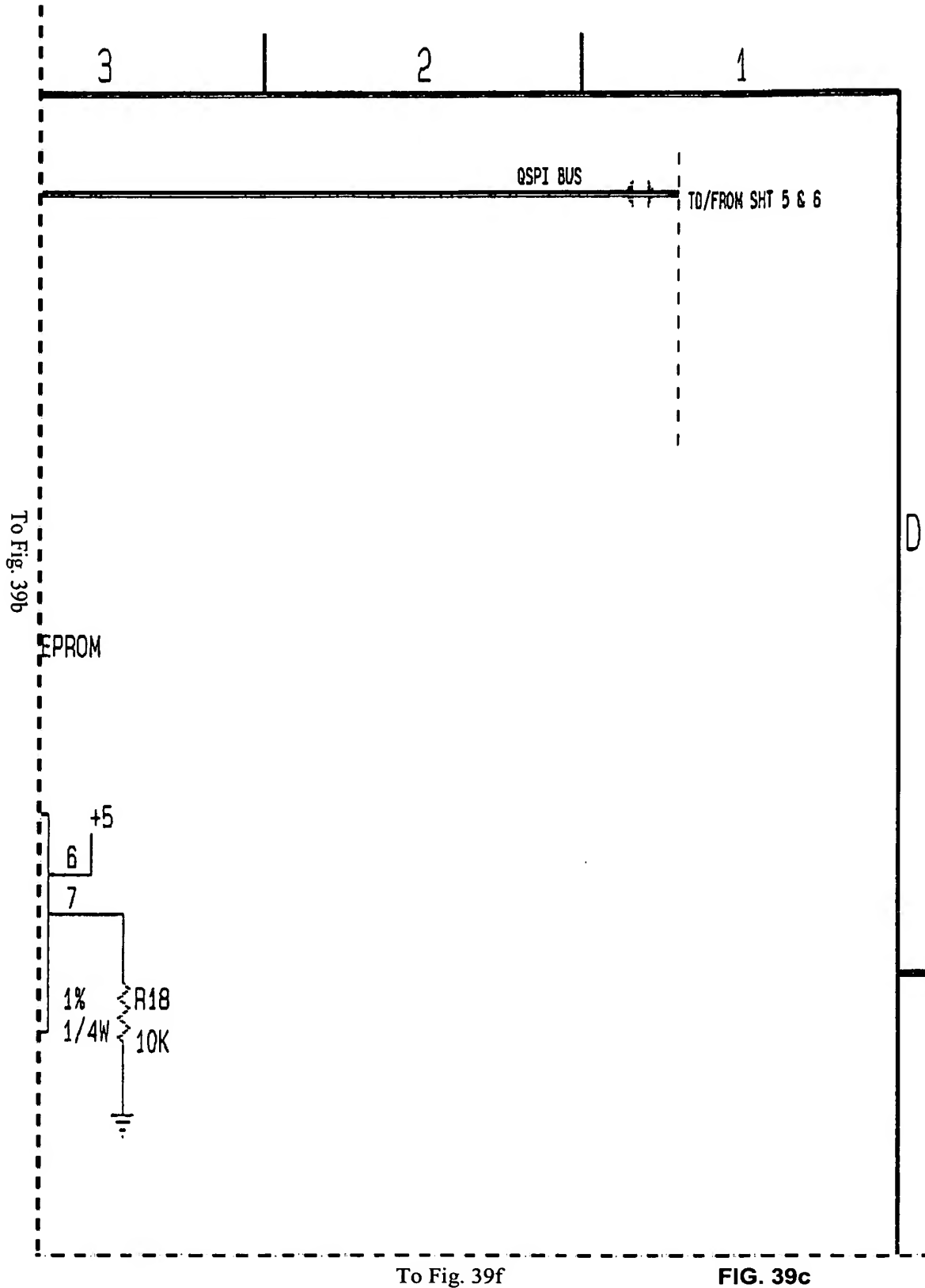


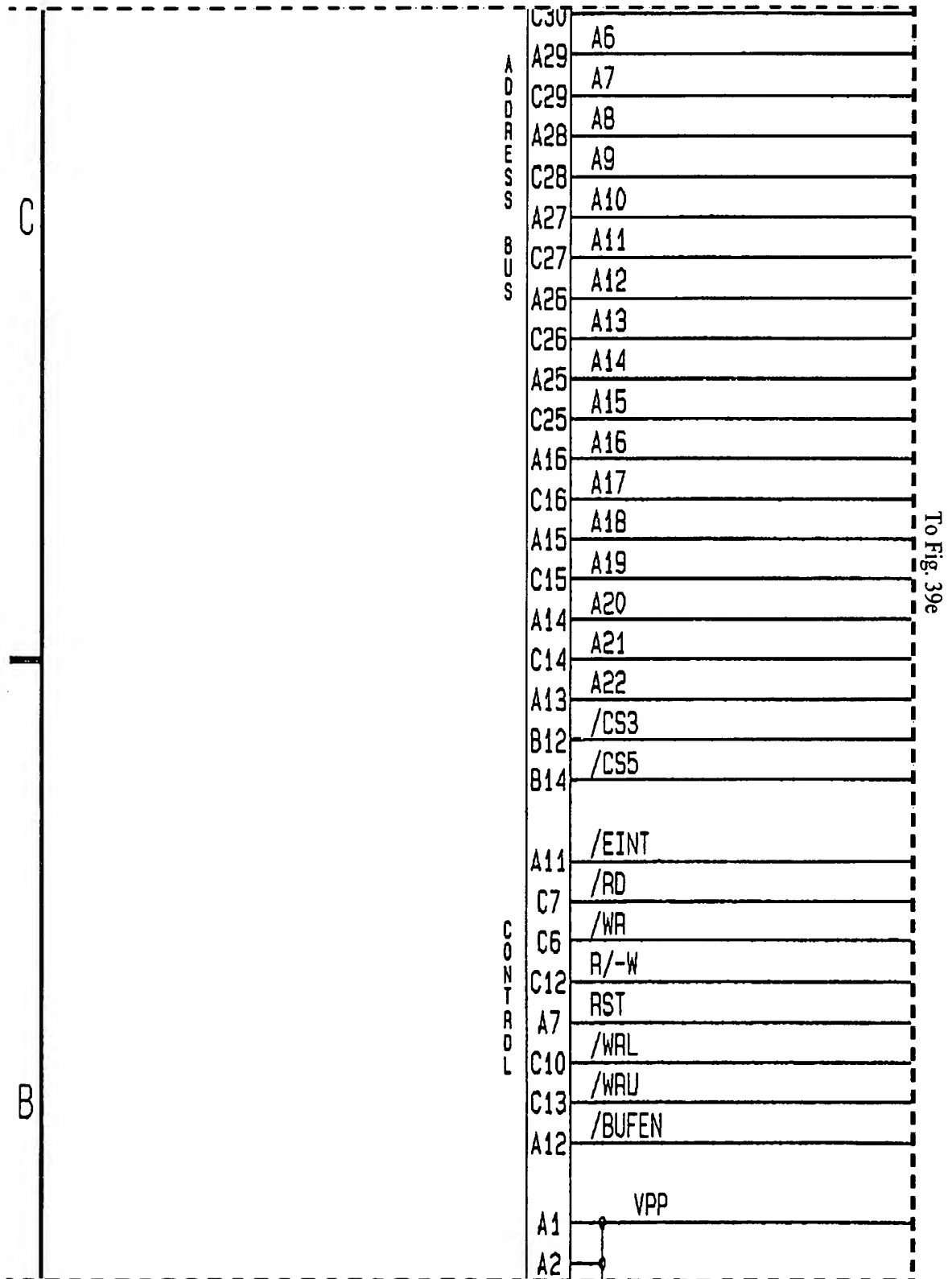
FIG. 38i







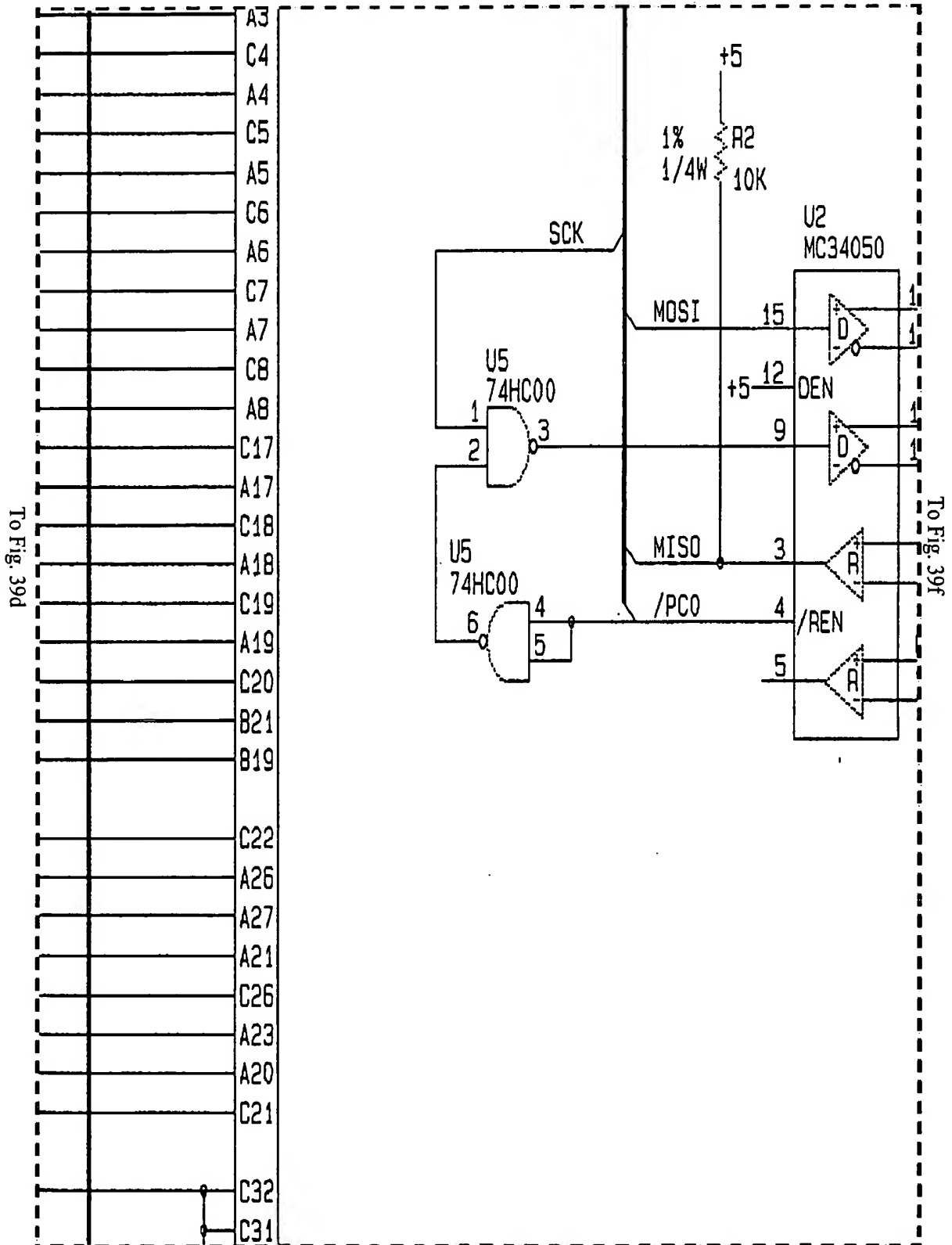
To Fig. 39a



To Fig. 39g

FIG. 39d

To Fig. 39b



To Fig. 39h

FIG. 39e

To Fig. 39c

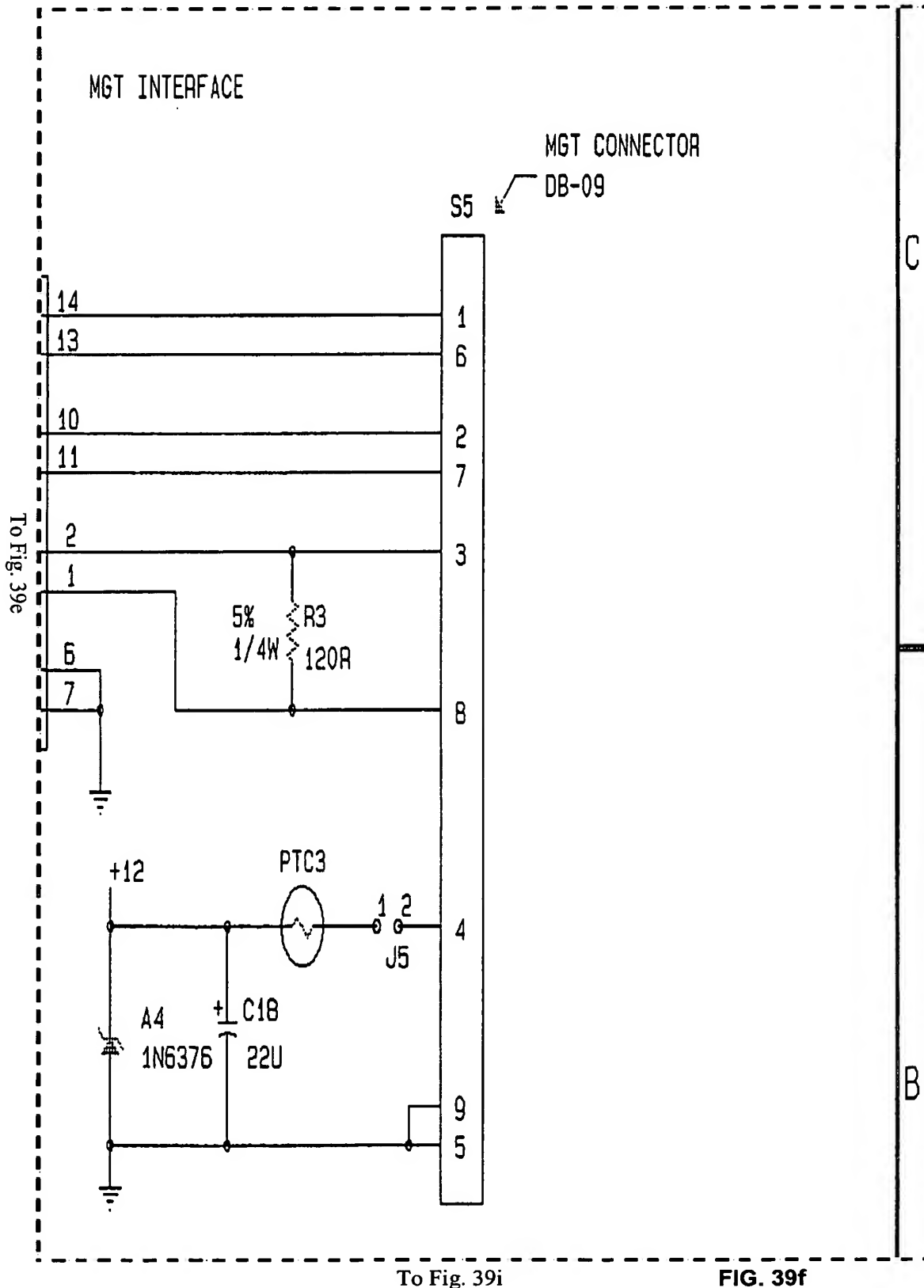


Figure 39h shows the pin connections for the 8051 microcontroller. The connections are as follows:

- A2: VCC
- A3: GND
- B2: P0
- B4: P0
- B6: P0
- B8: P0
- B10: P0
- B16: P0
- B18: P0
- B20: P0
- B22: P0
- B24: P0
- B26: P0
- B28: P0
- B30: P0
- C11: MOSI
- A9: MISO
- C9: SCK
- A8: /PC0
- C8: /PC1
- A10: /PC2
- A6: /PC3

FIG. 39g

To Fig. 39e

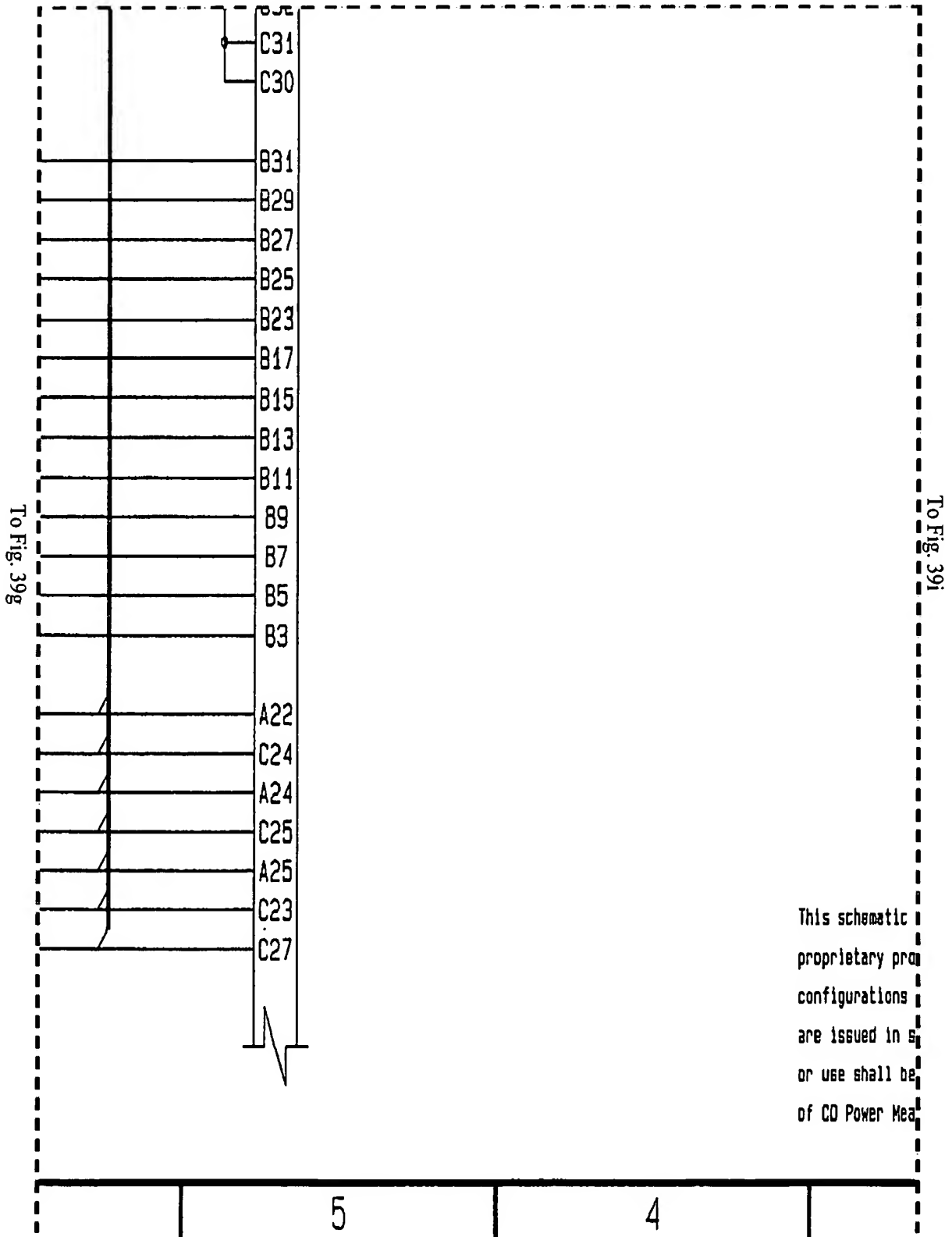


FIG. 39h

To Fig. 39f

To Fig. 39h

and/or specifications are the
property, trade secrets, or patented
of CD Power Measurement Ltd. and
strict confidence. No reproduction
made without prior written consent
asurement Ltd.



POWER MEASUREMENT LTD.

E

REV 1.2

DATE: OCT 20, 1993

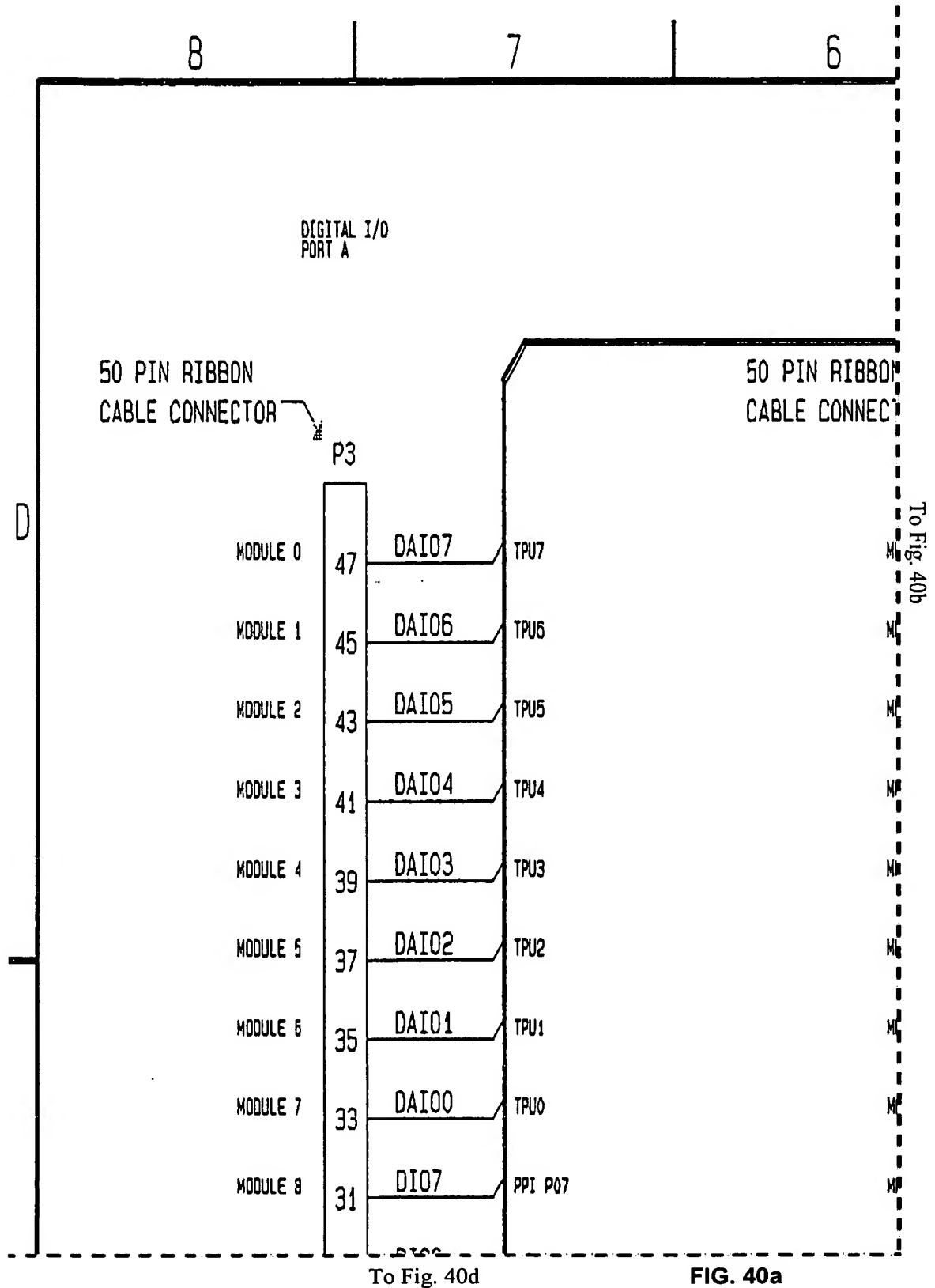
SHEET 2 OF 7

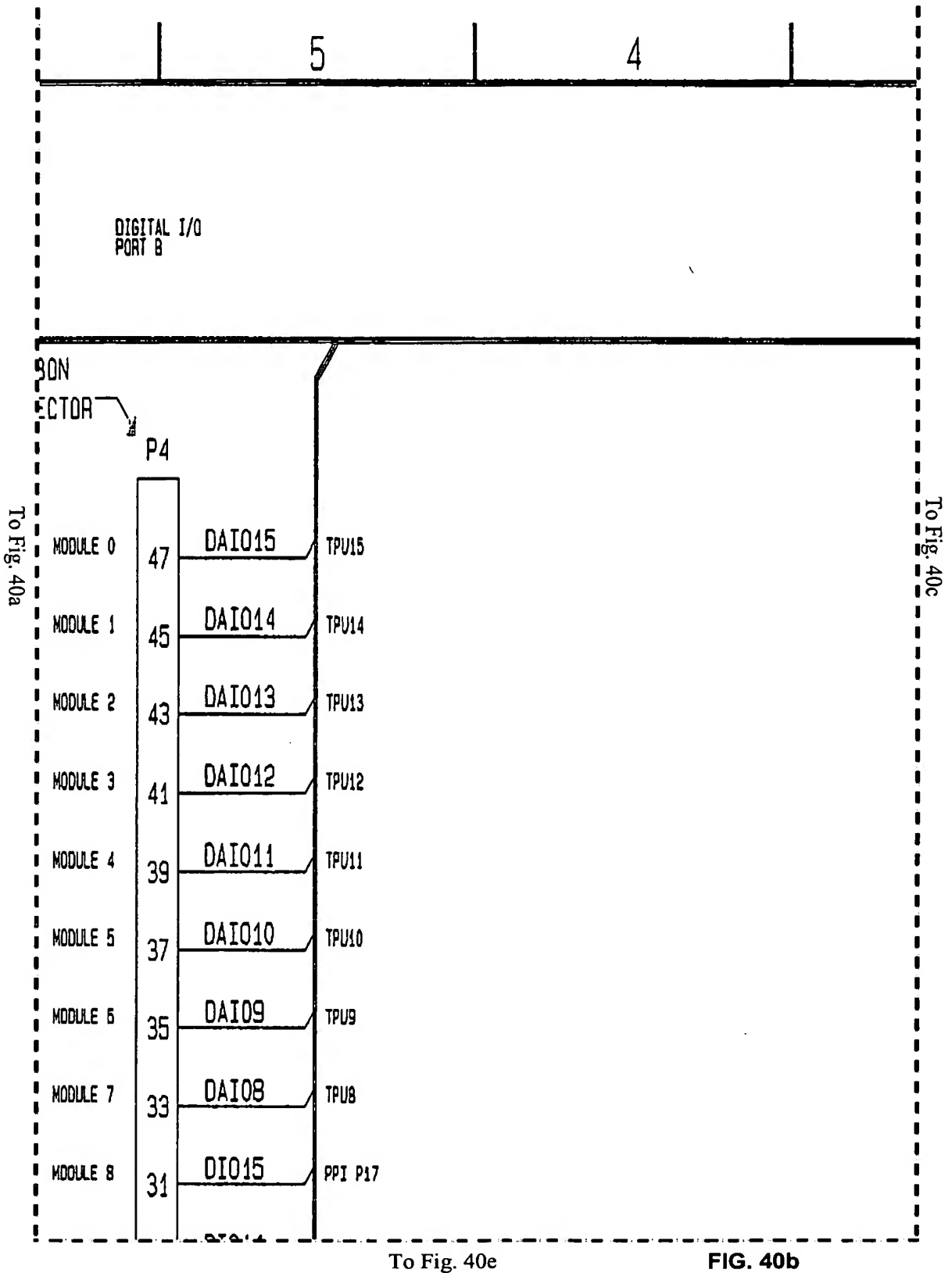
3

2

1

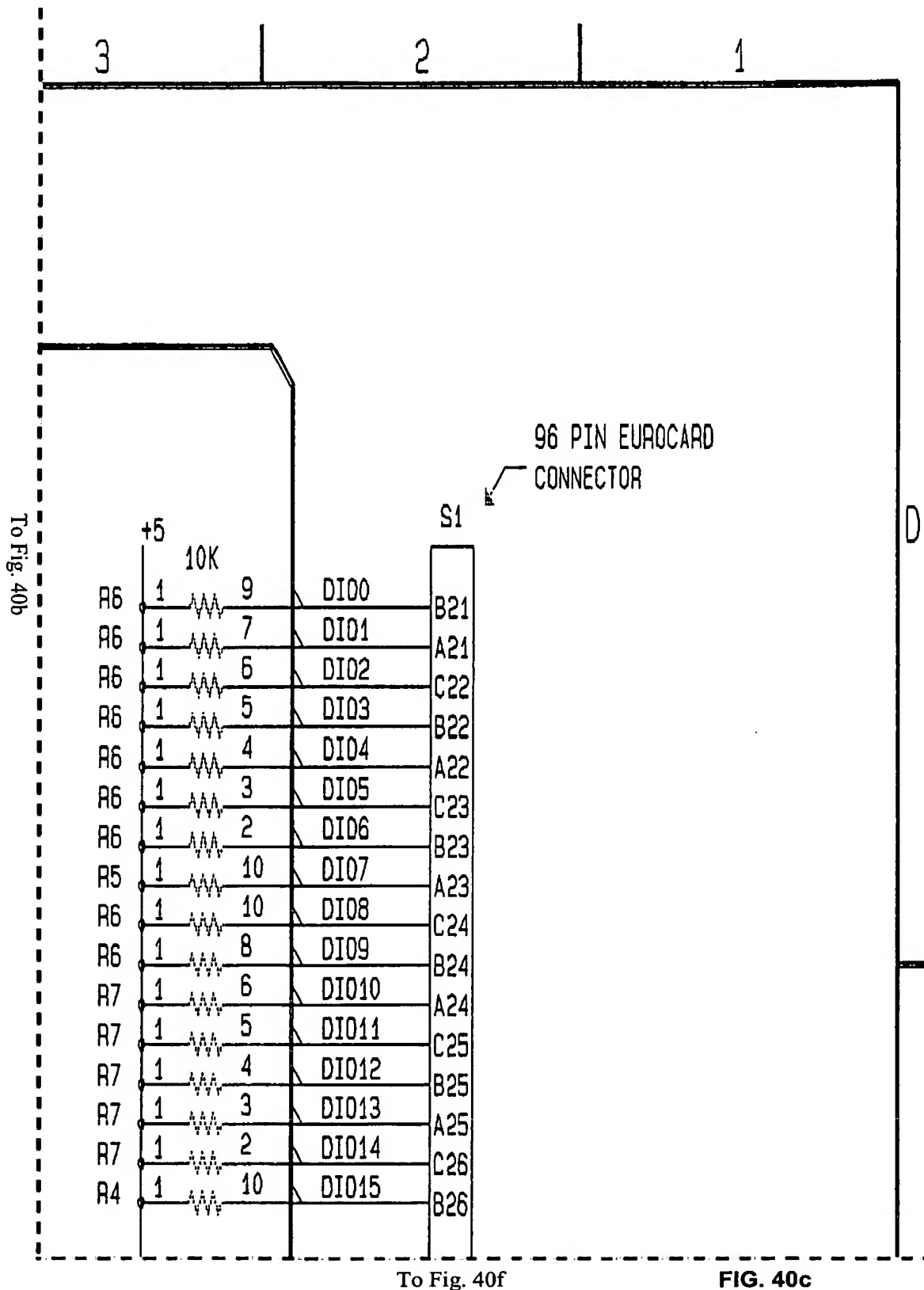
FIG. 39i

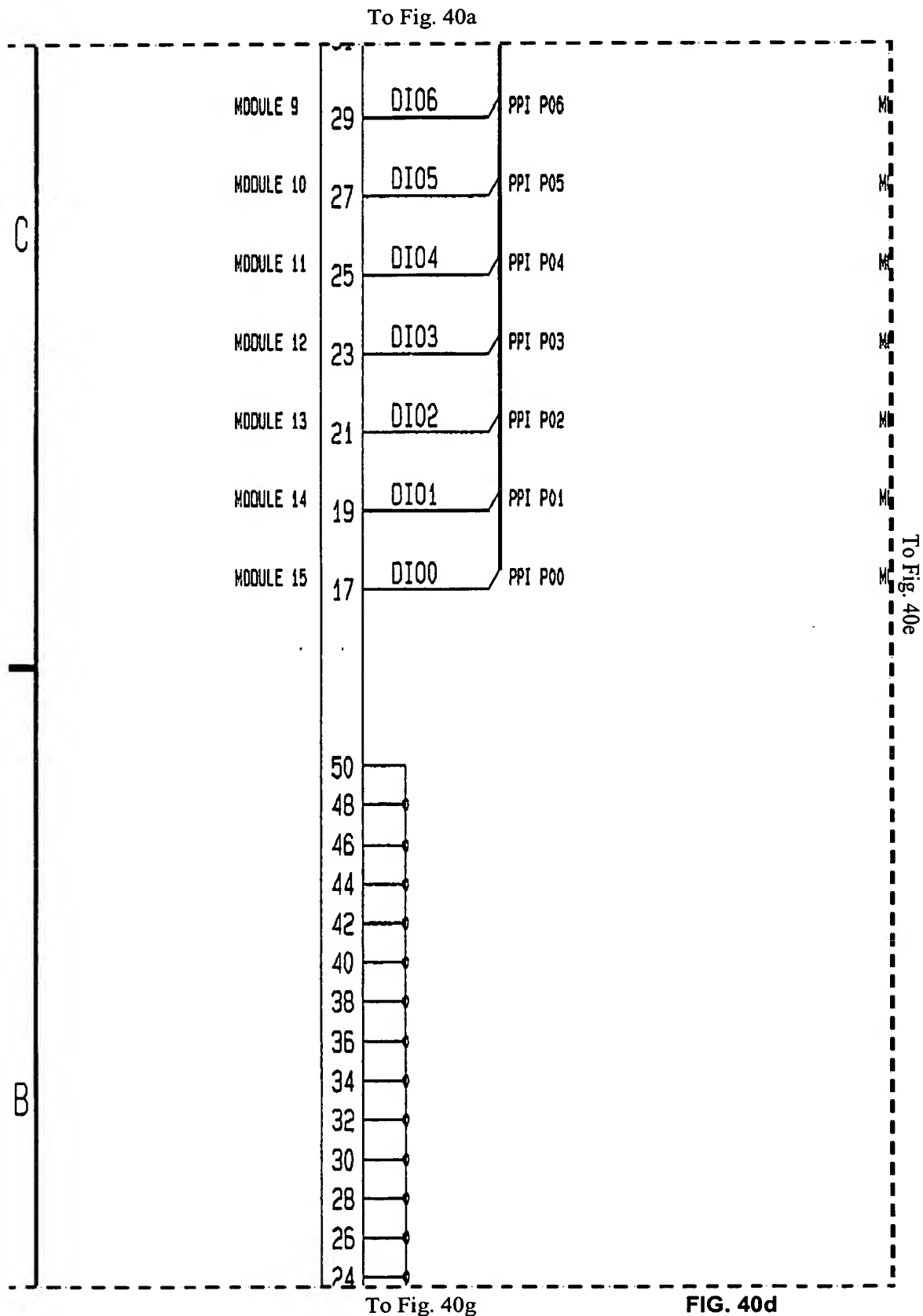




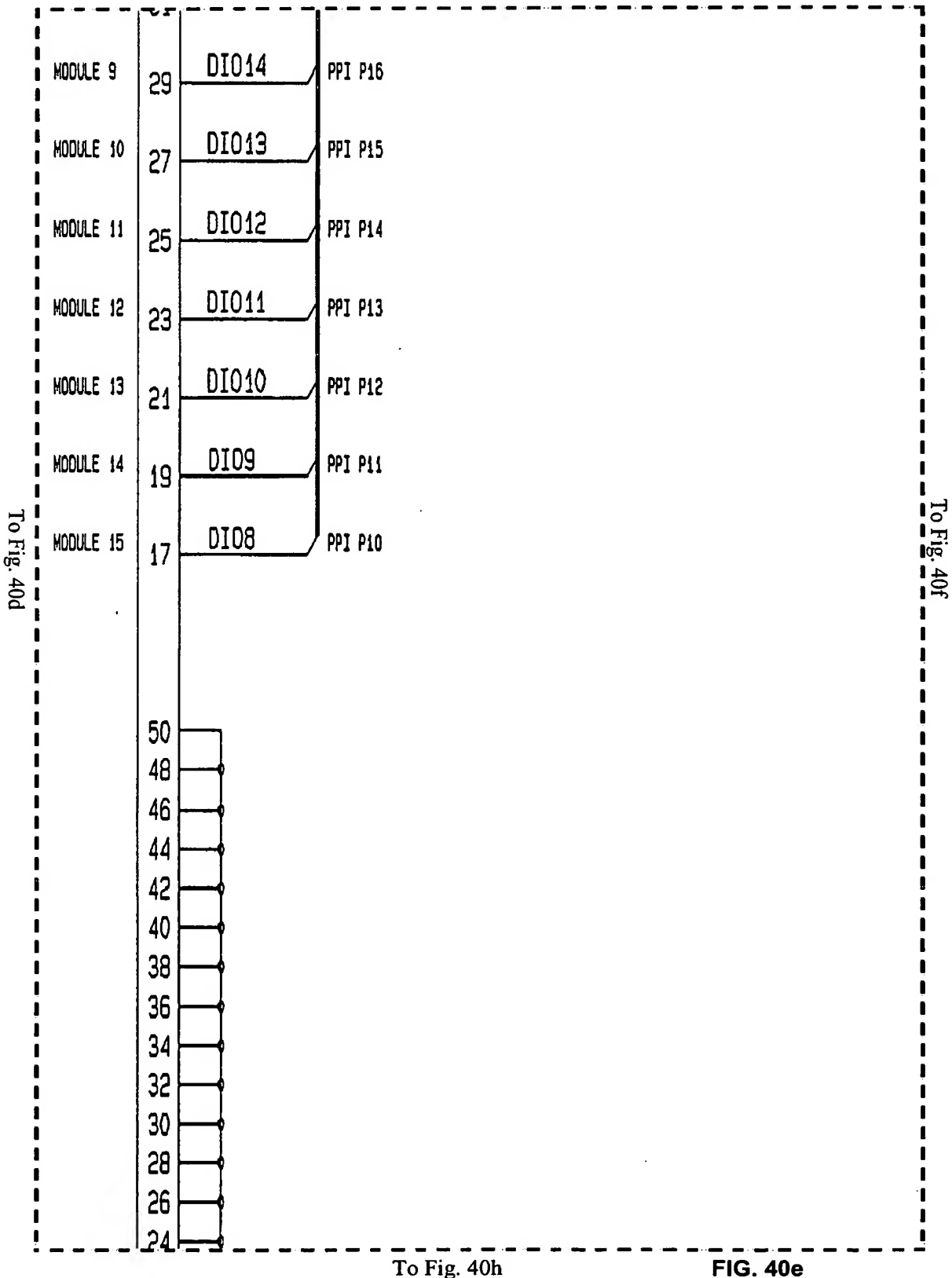
To Fig. 40e

FIG. 40b





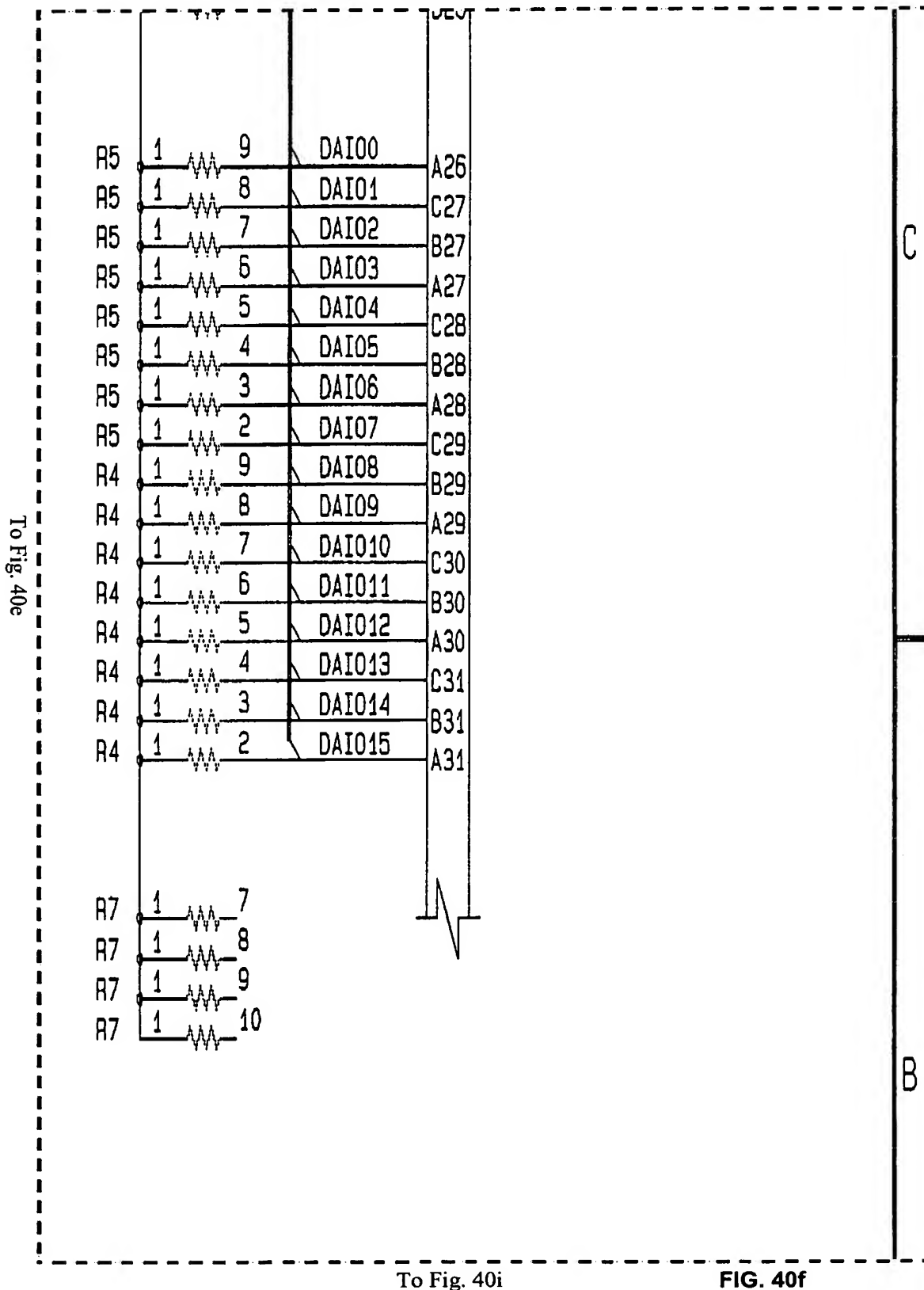
To Fig. 40b

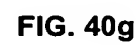


To Fig. 40h

FIG. 40e

To Fig. 40c





To Fig. 40e

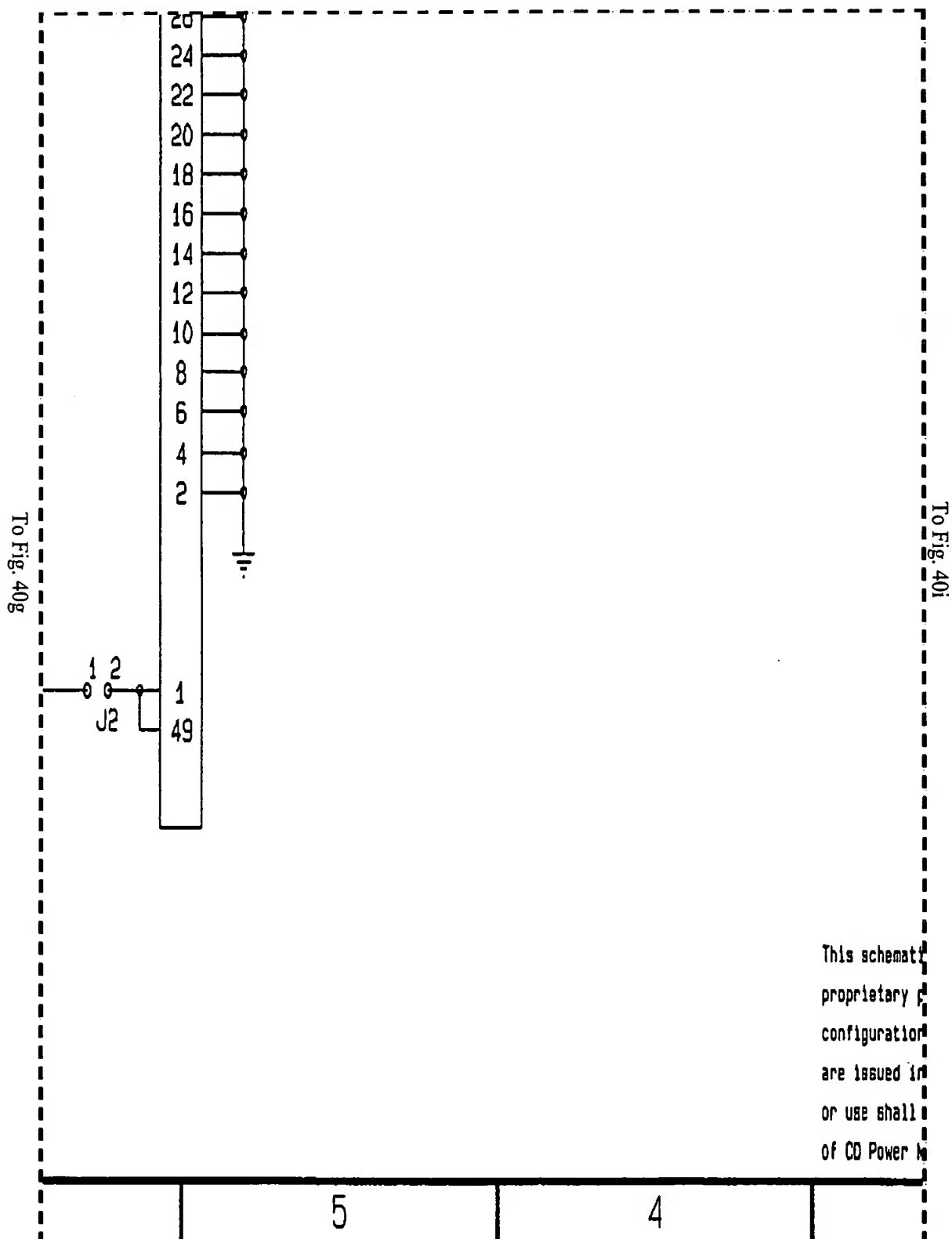


FIG. 40h

To Fig. 40f

To Fig. 40h

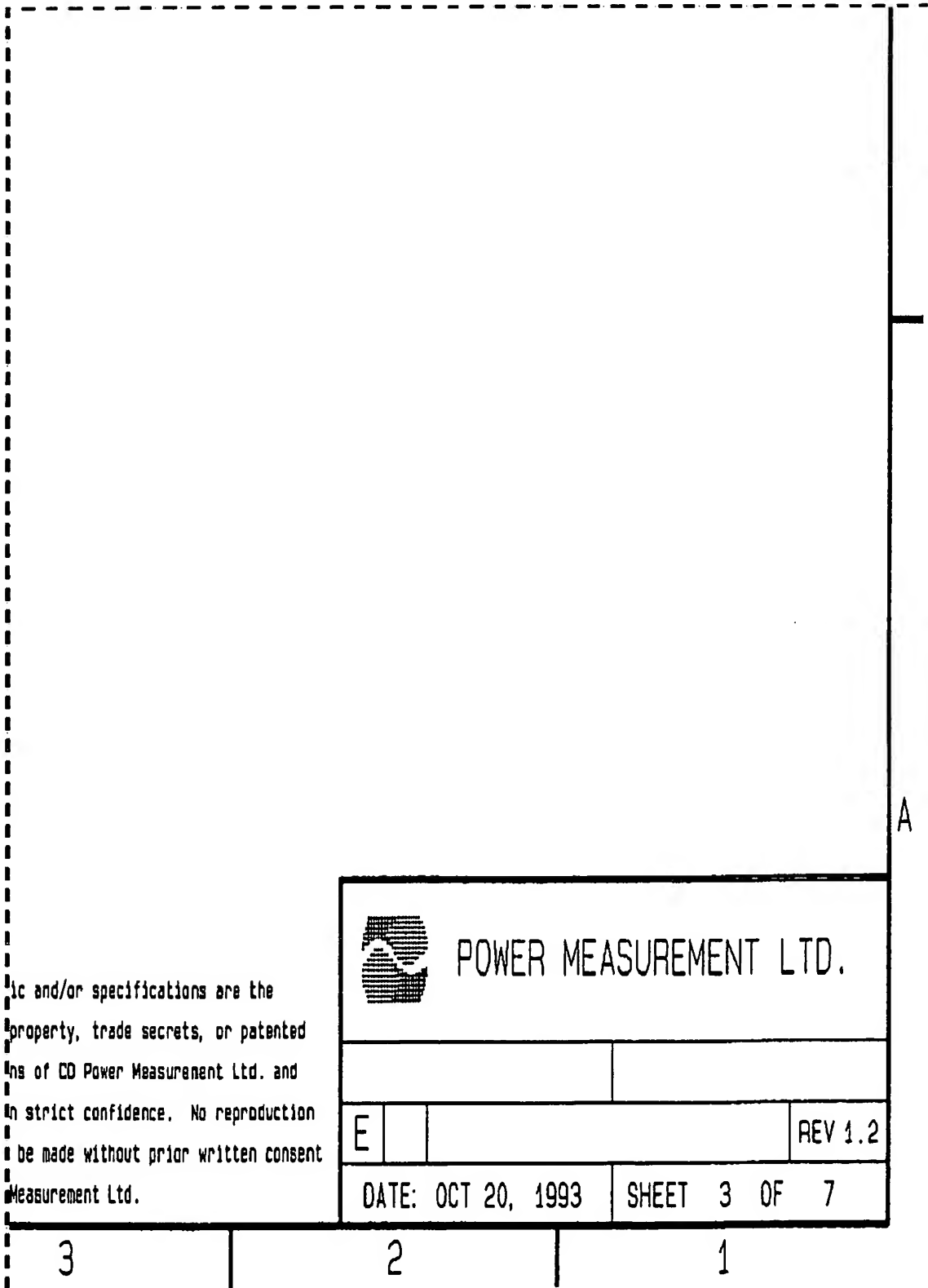
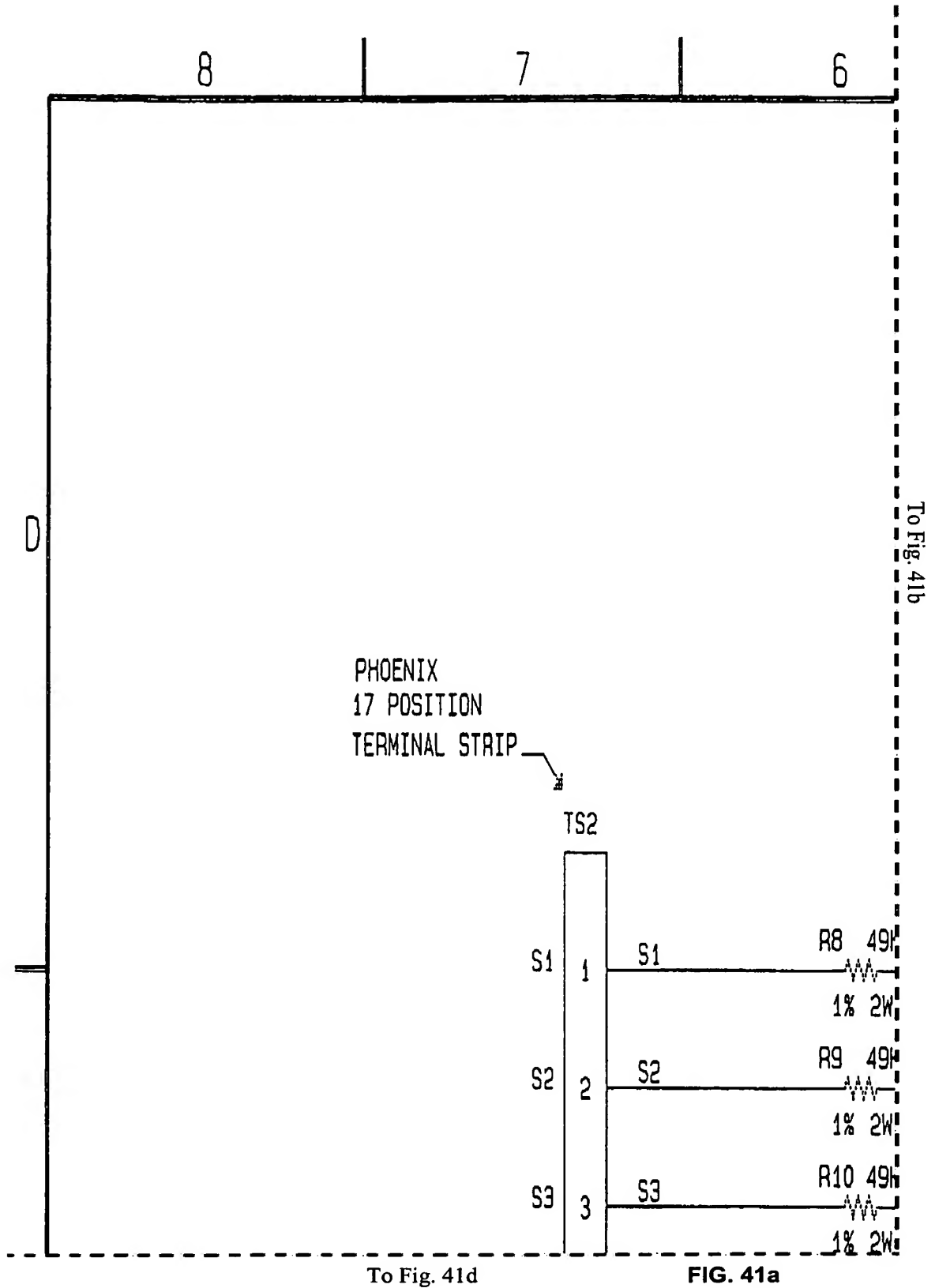
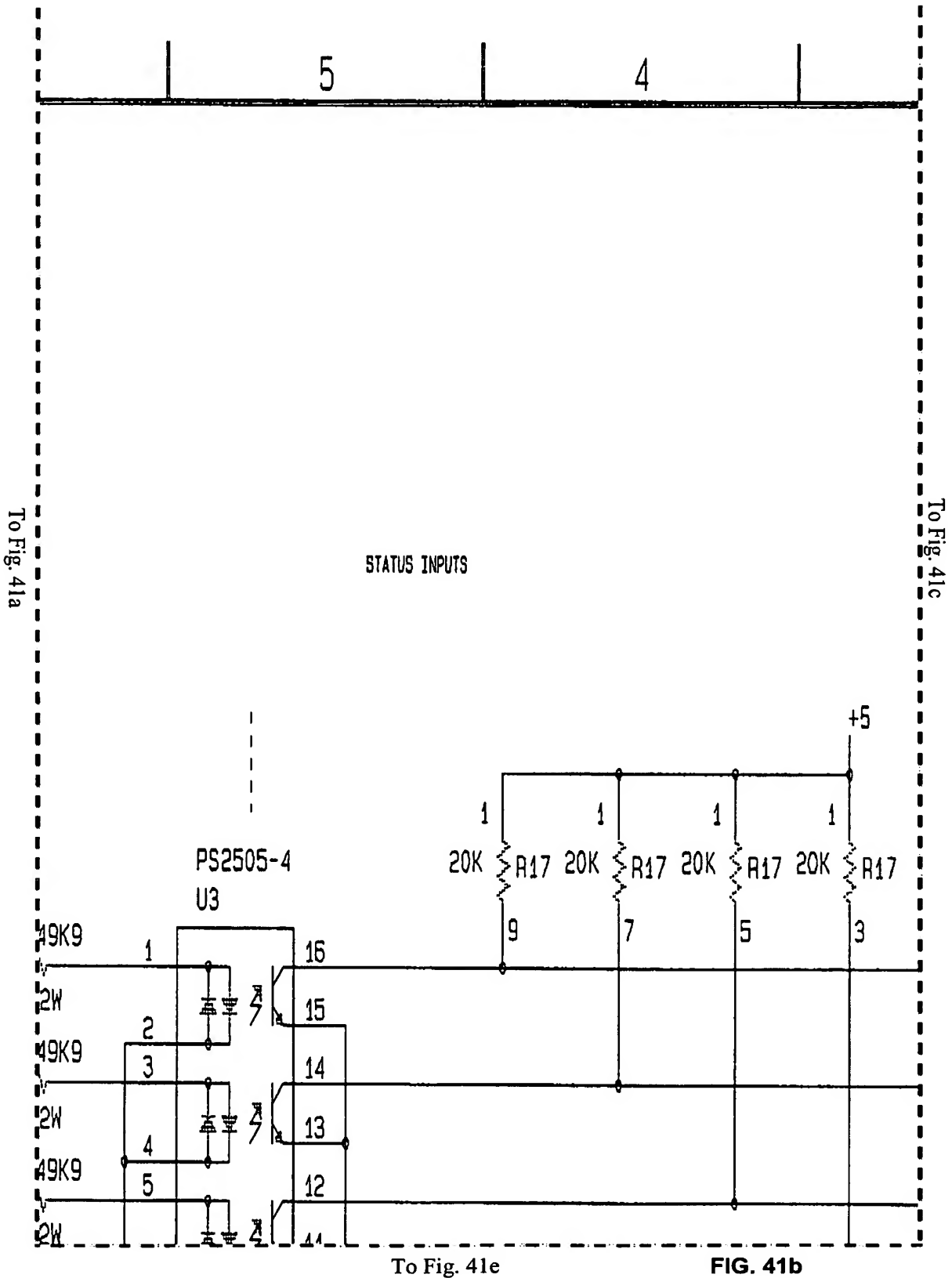
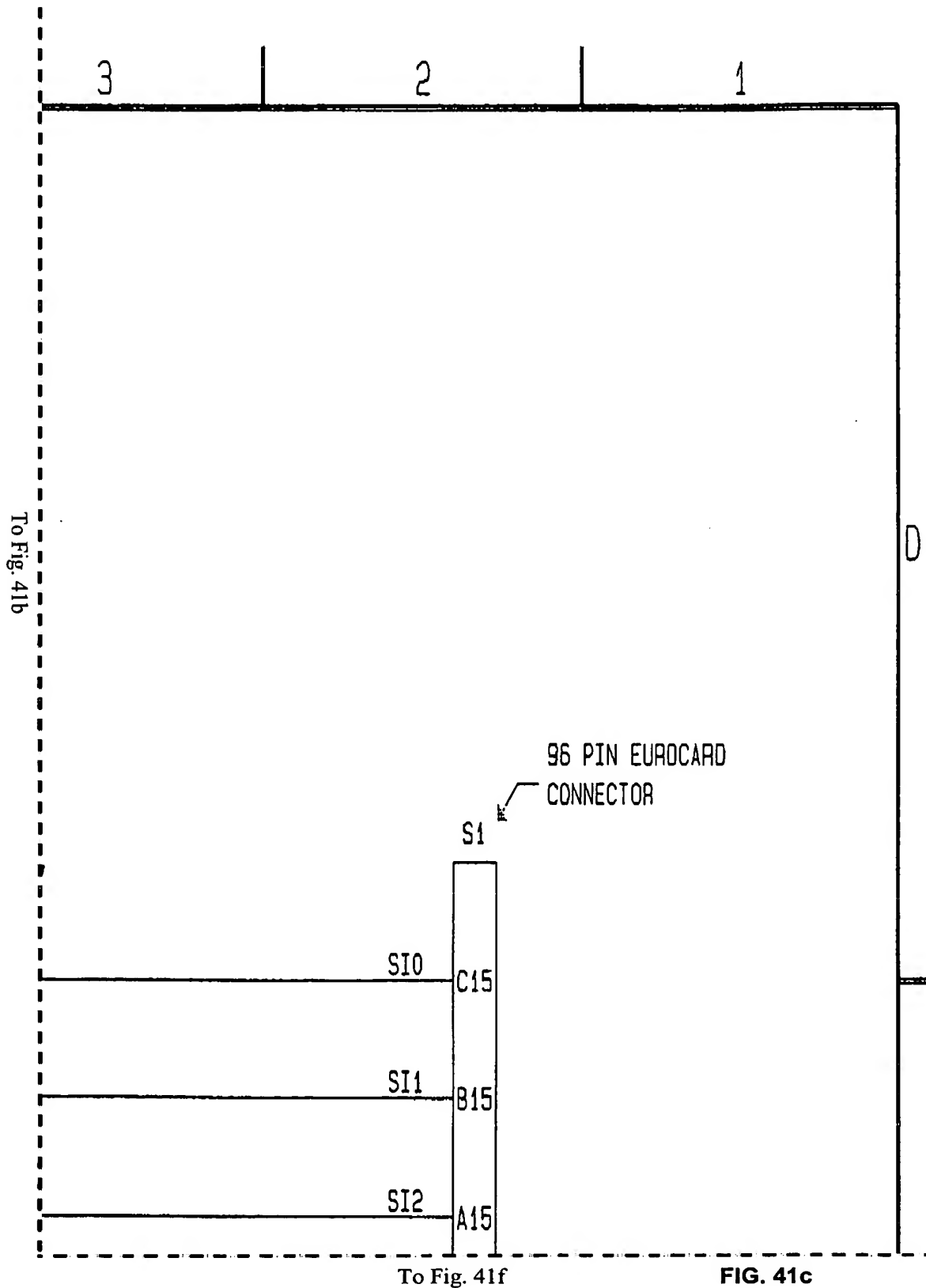


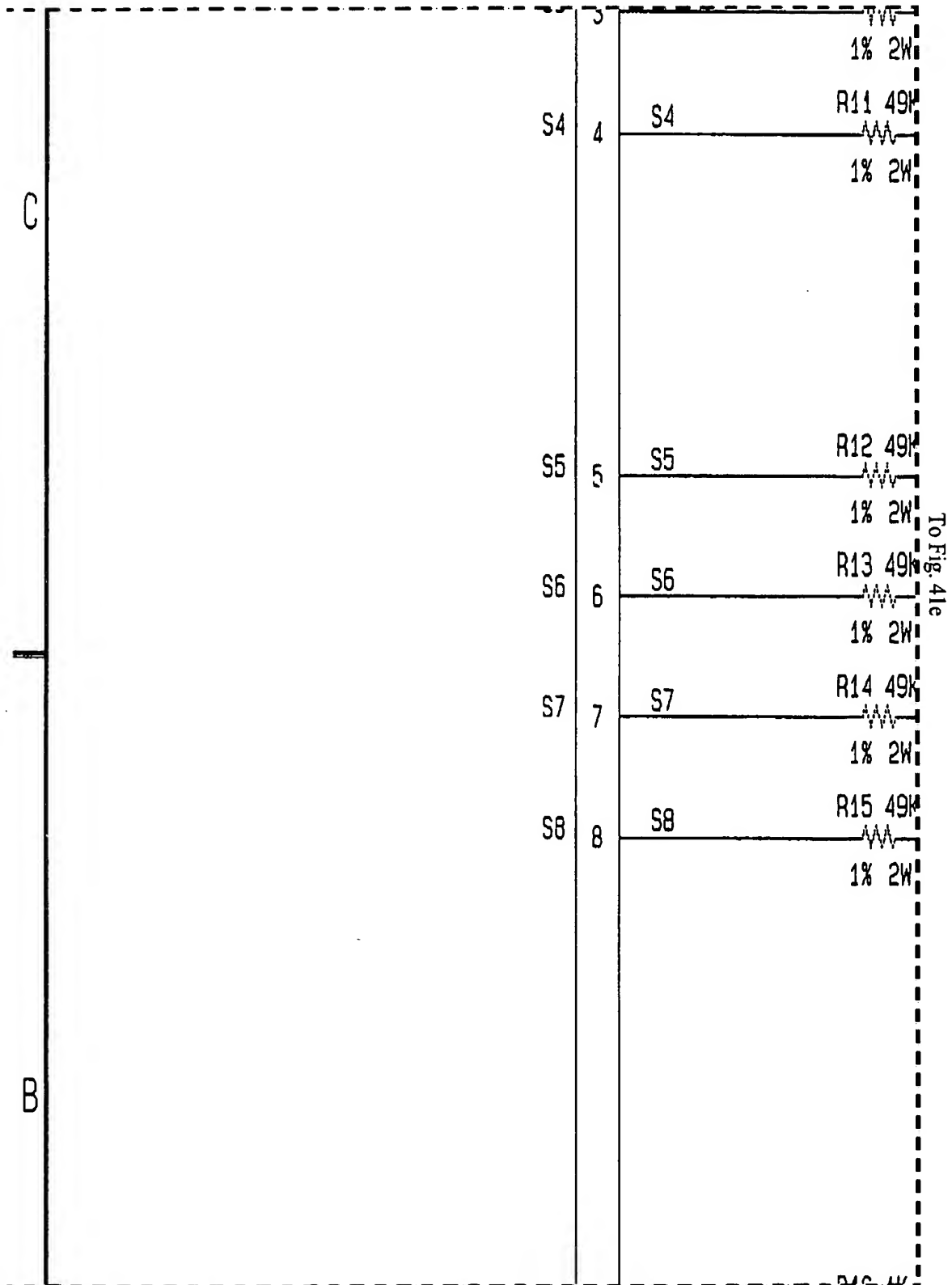
FIG. 40i







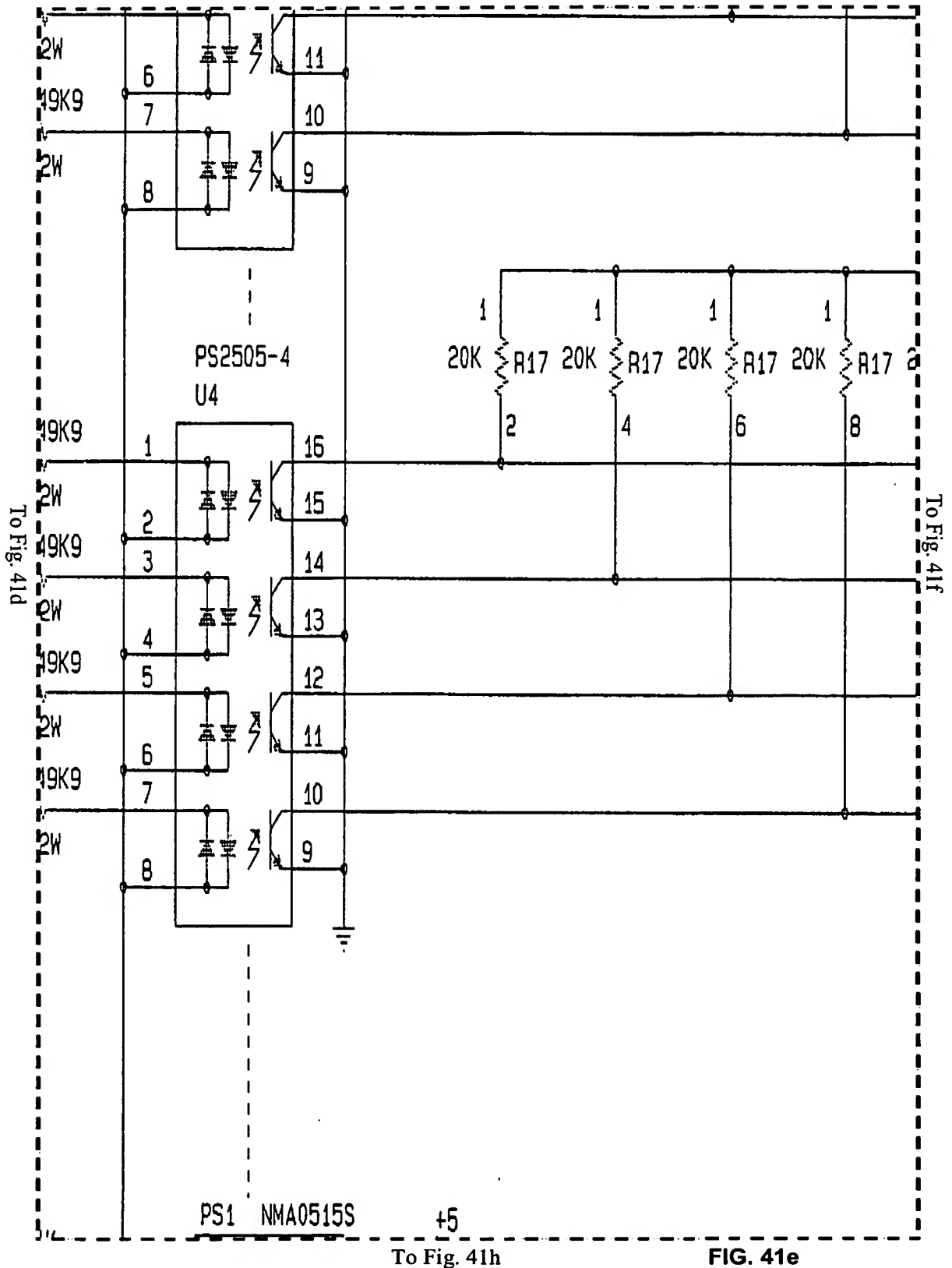
To Fig. 41a



To Fig. 41g

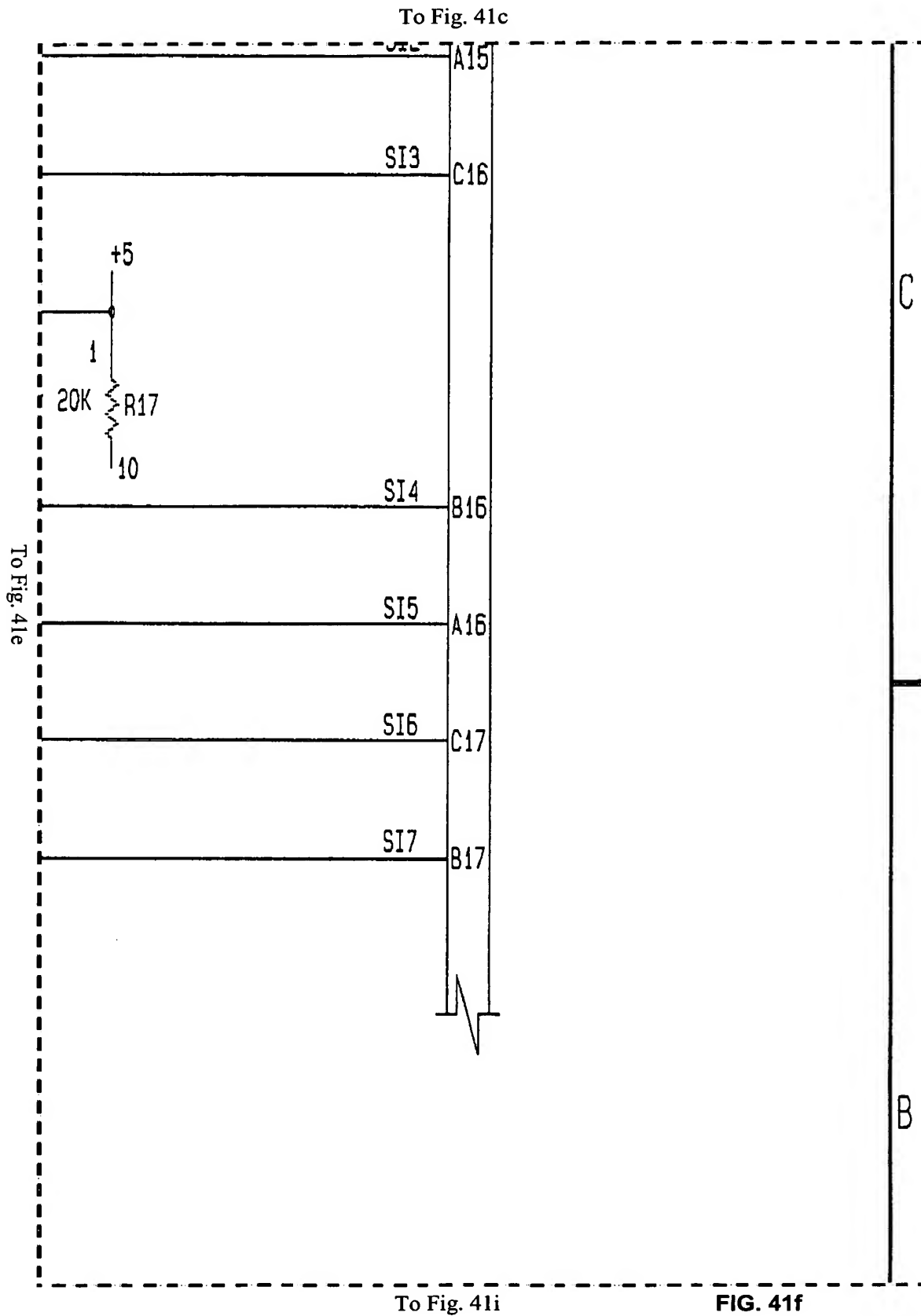
FIG. 41d

To Fig. 41b



To Fig. 41h

FIG. 41e



To Fig. 41d

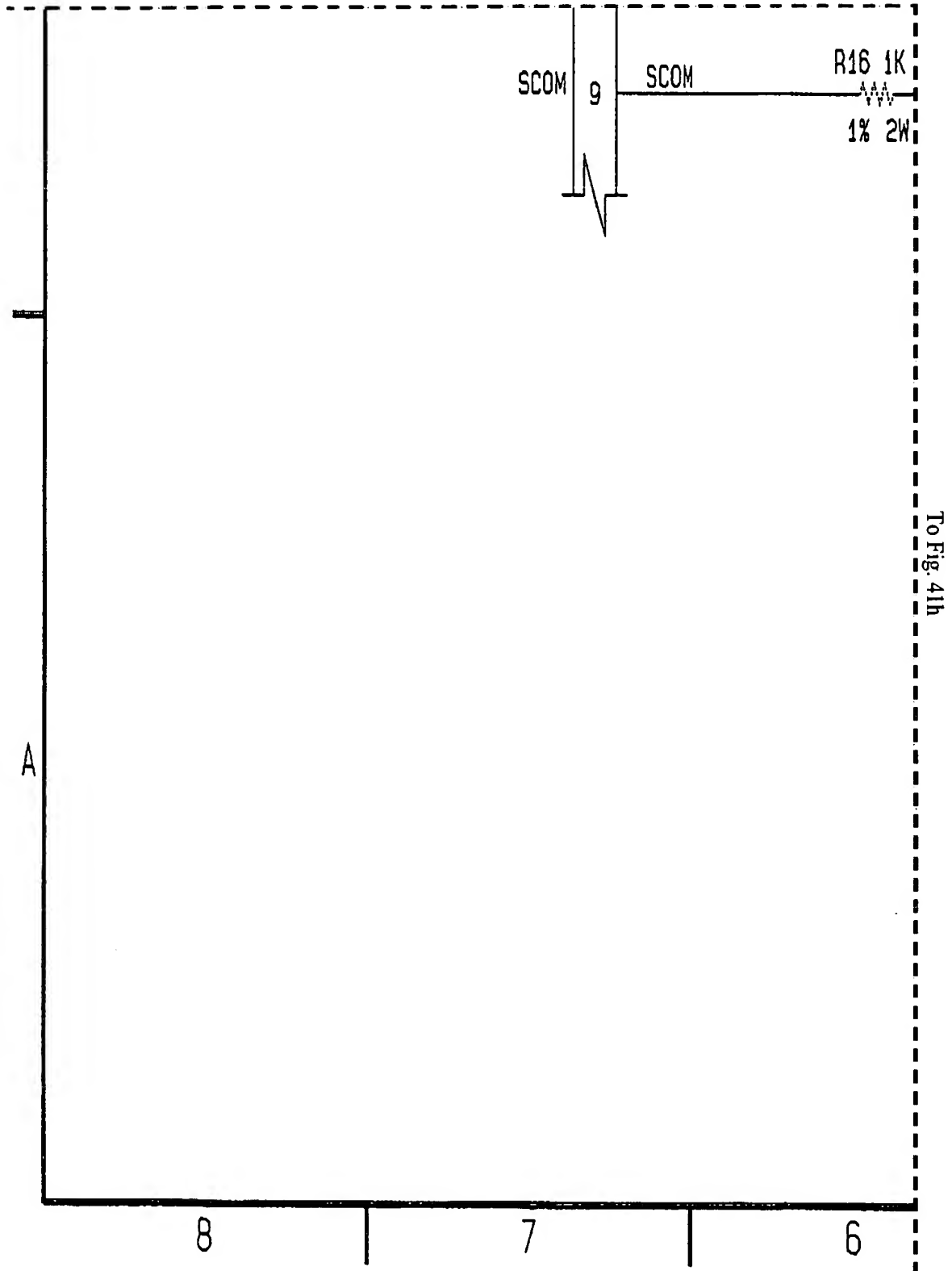
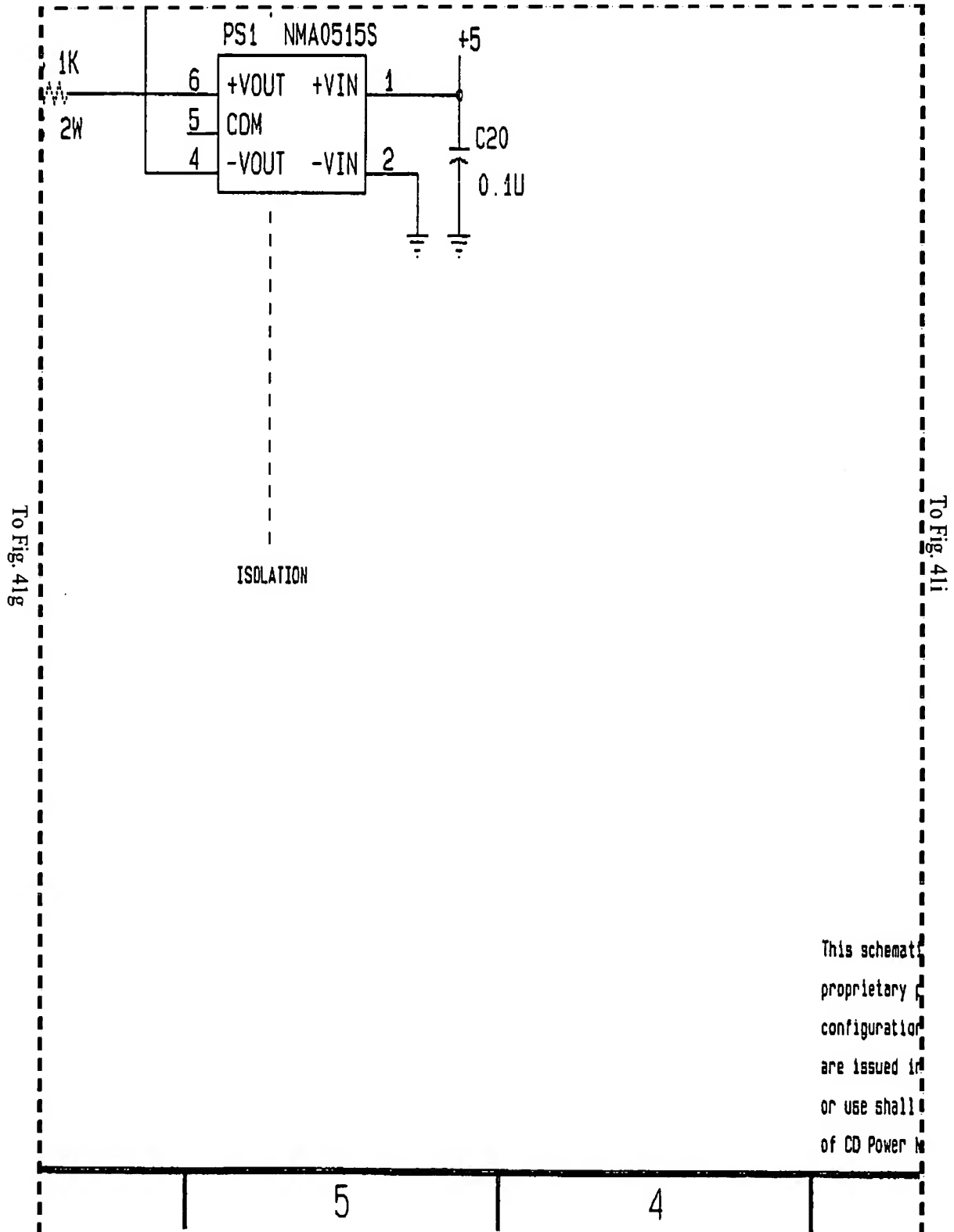


FIG. 41g

To Fig. 41e



To Fig. 41f

To Fig. 41h

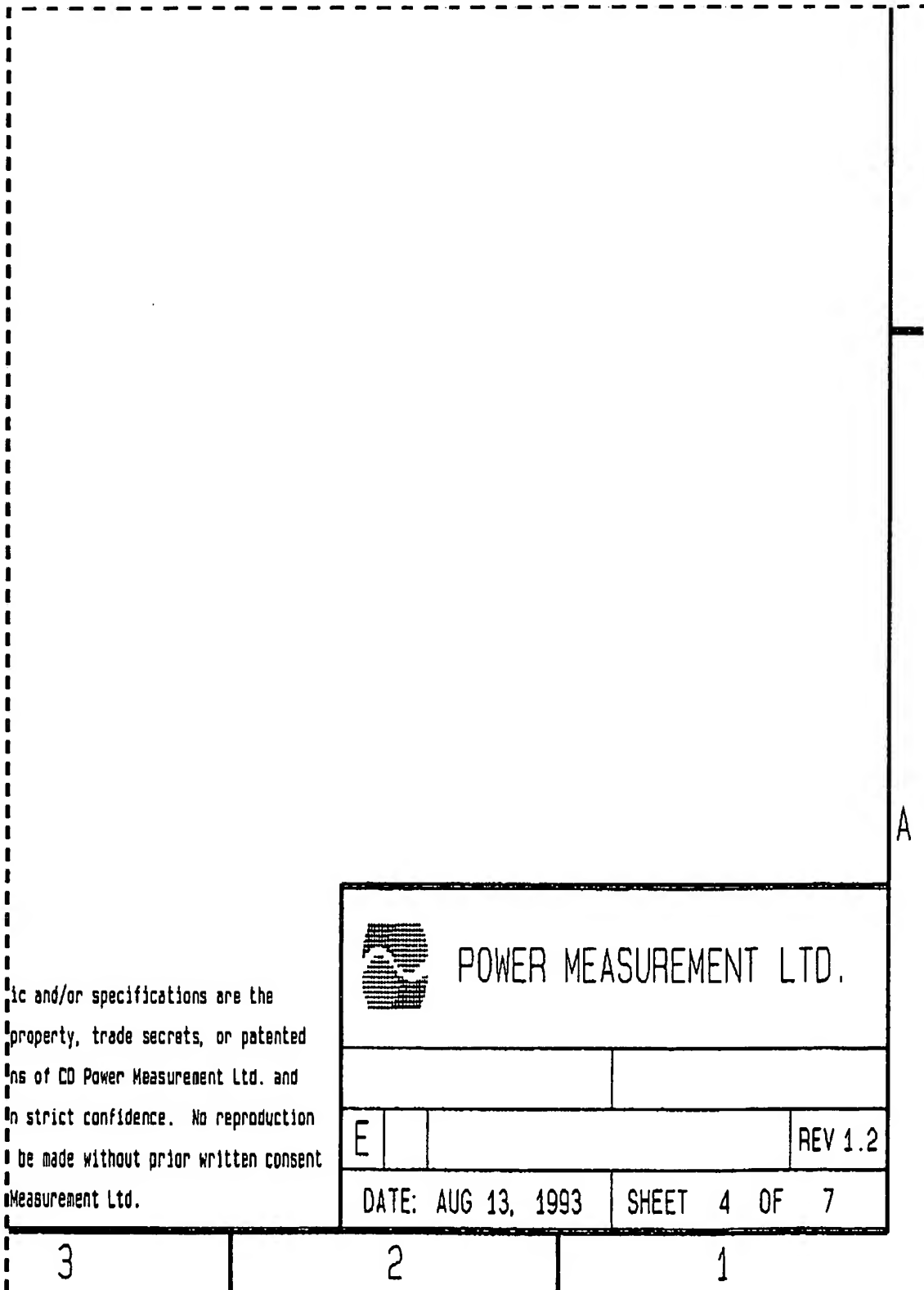
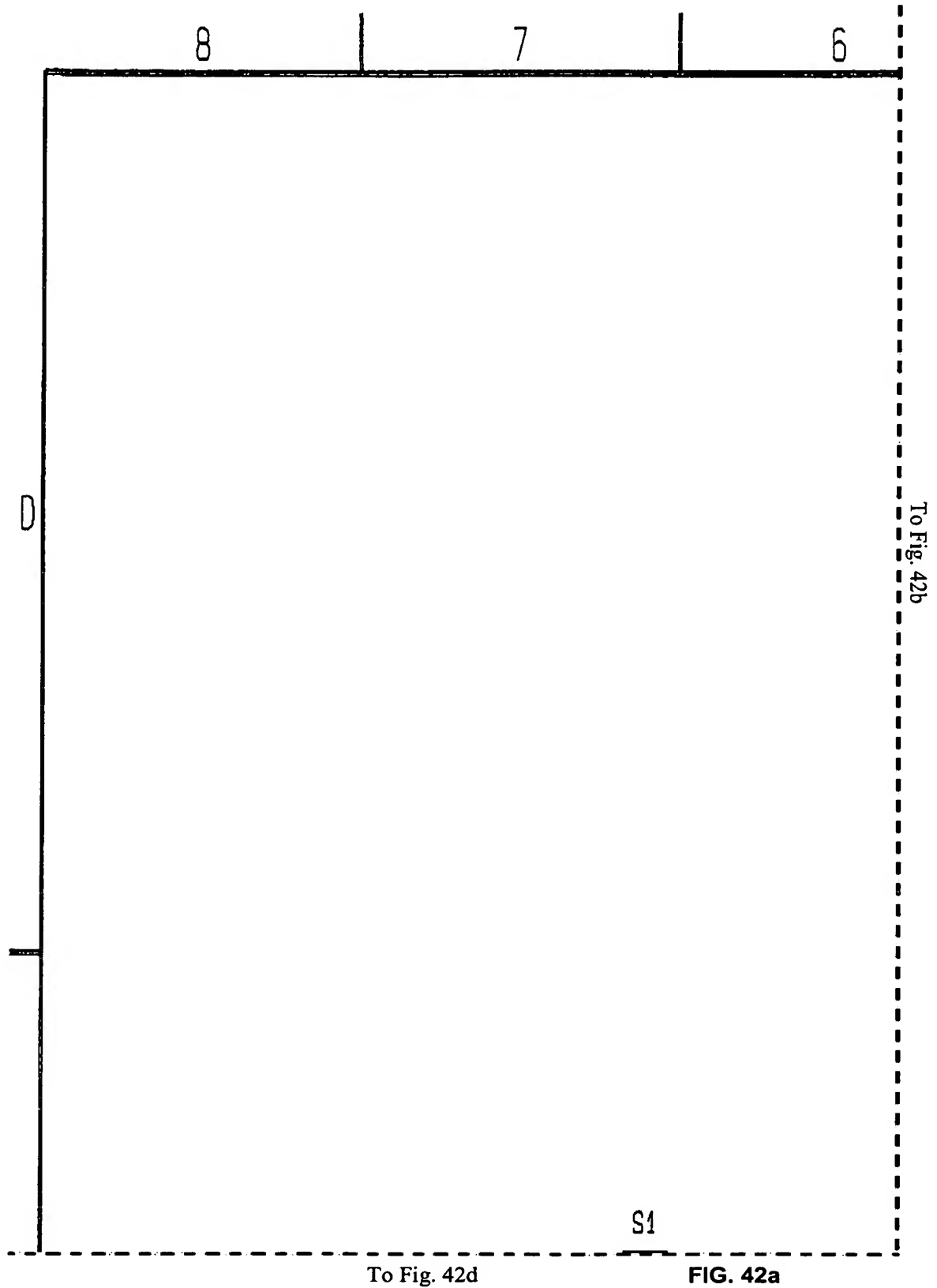
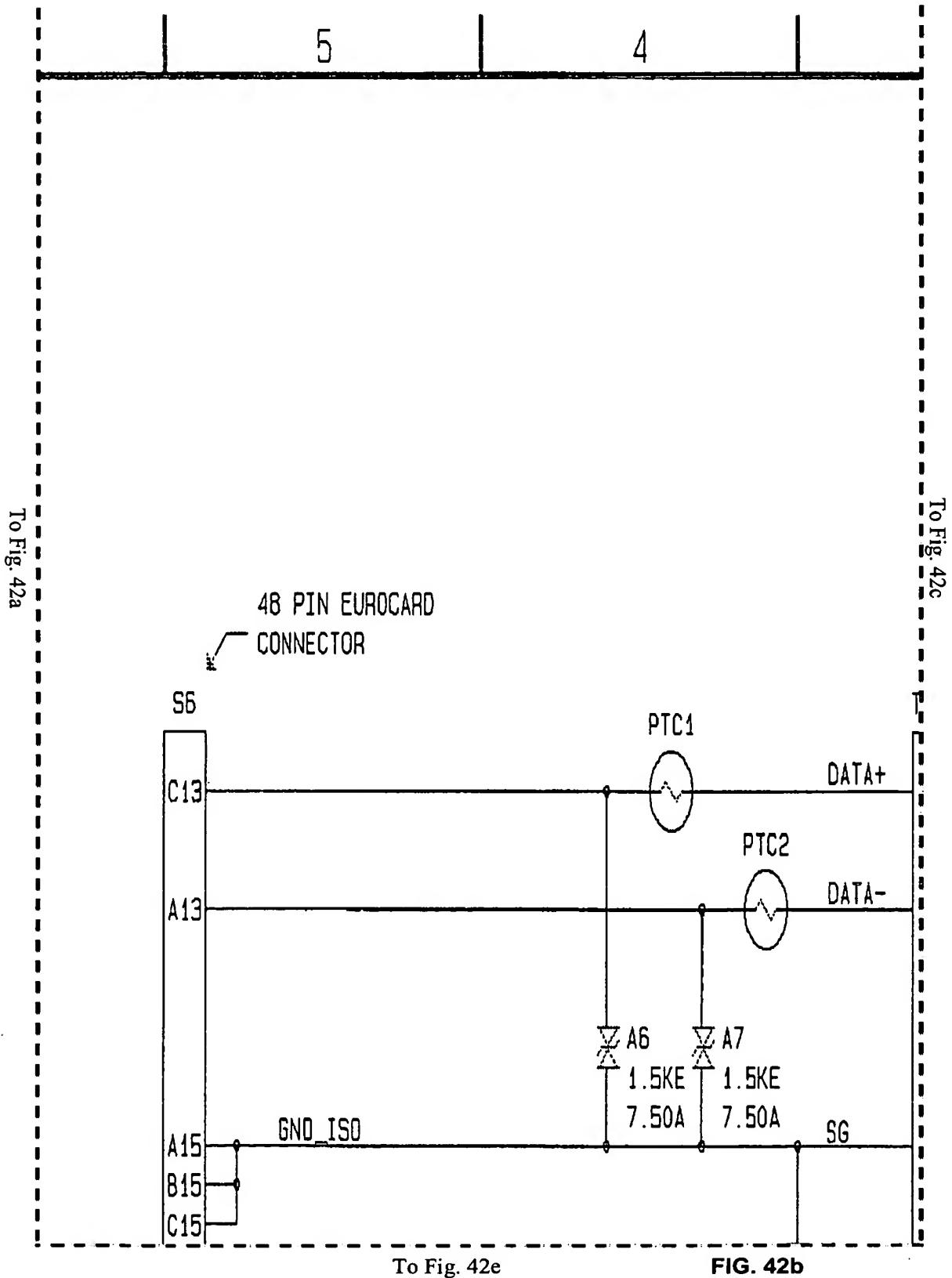
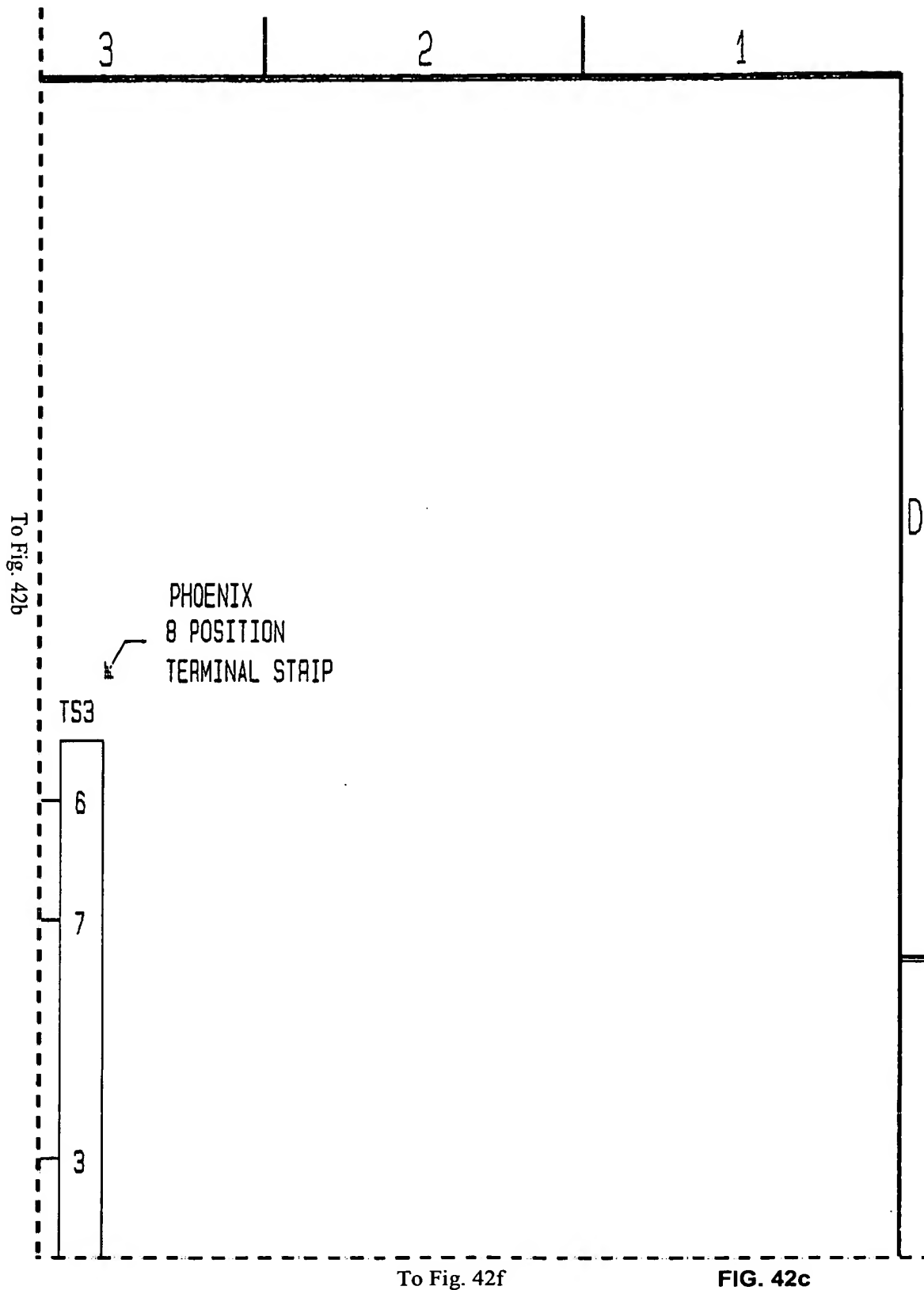


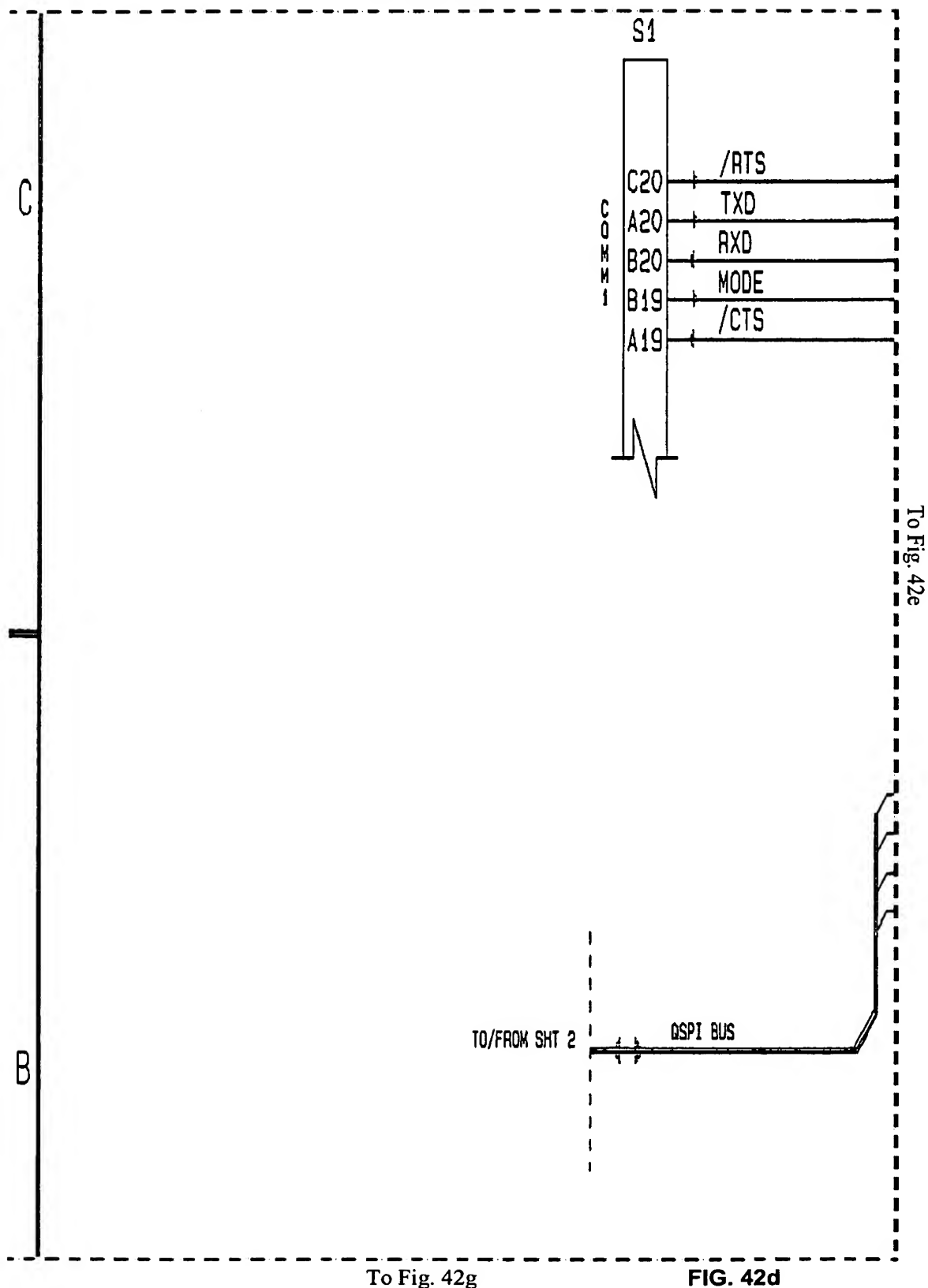
FIG. 41i



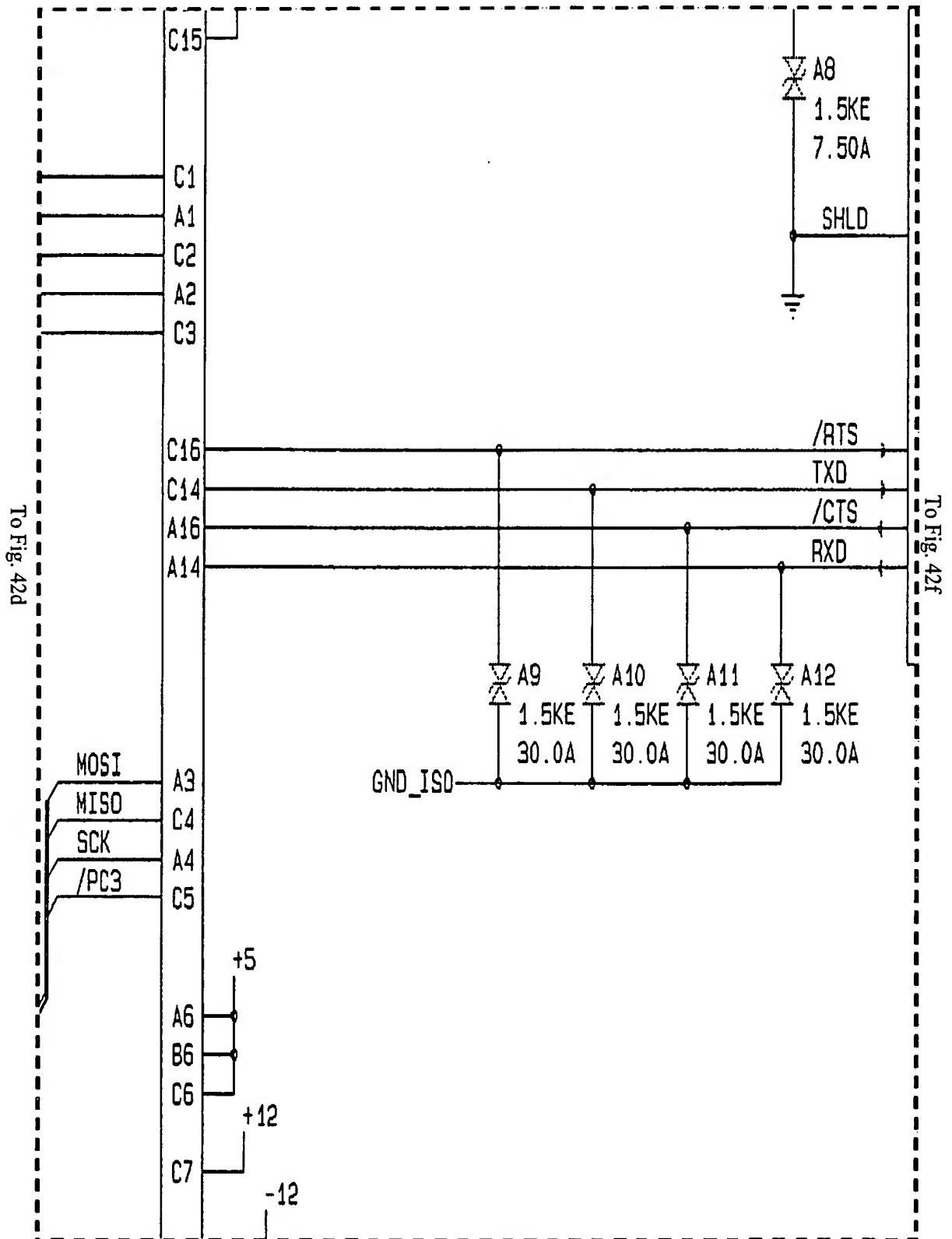




To Fig. 42a



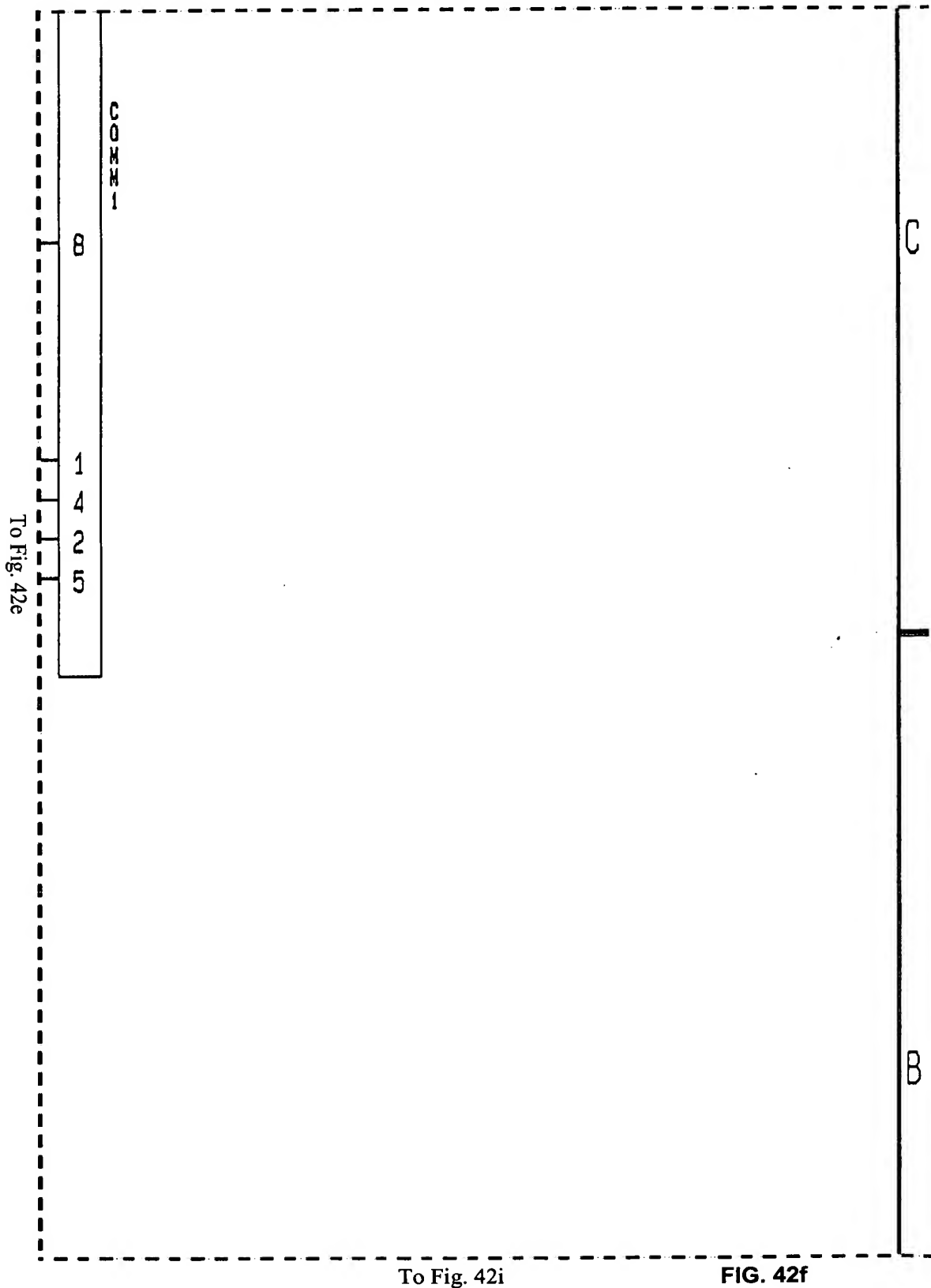
To Fig. 42b



To Fig. 42h

FIG. 42e

To Fig. 42c



To Fig. 42d

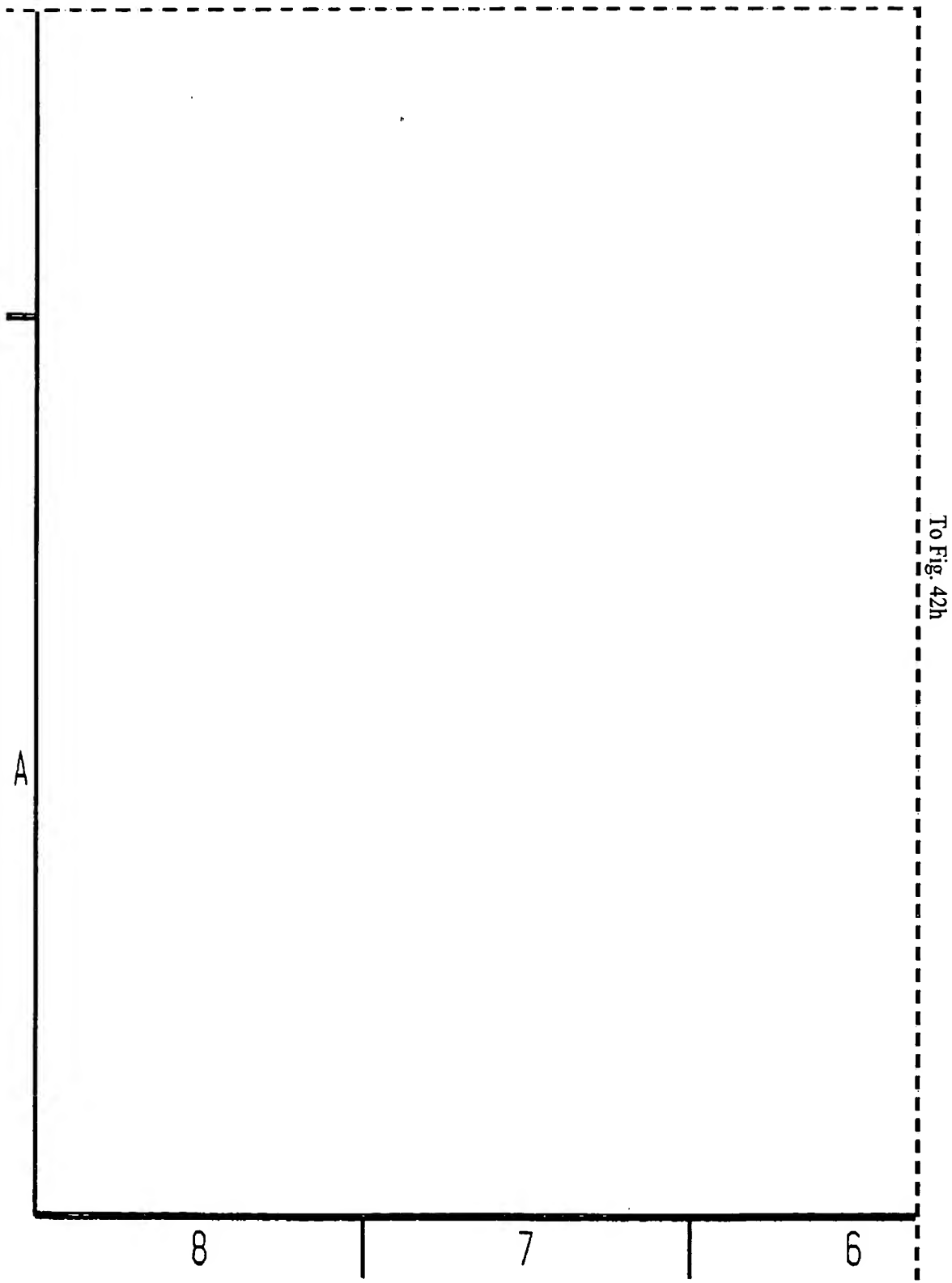
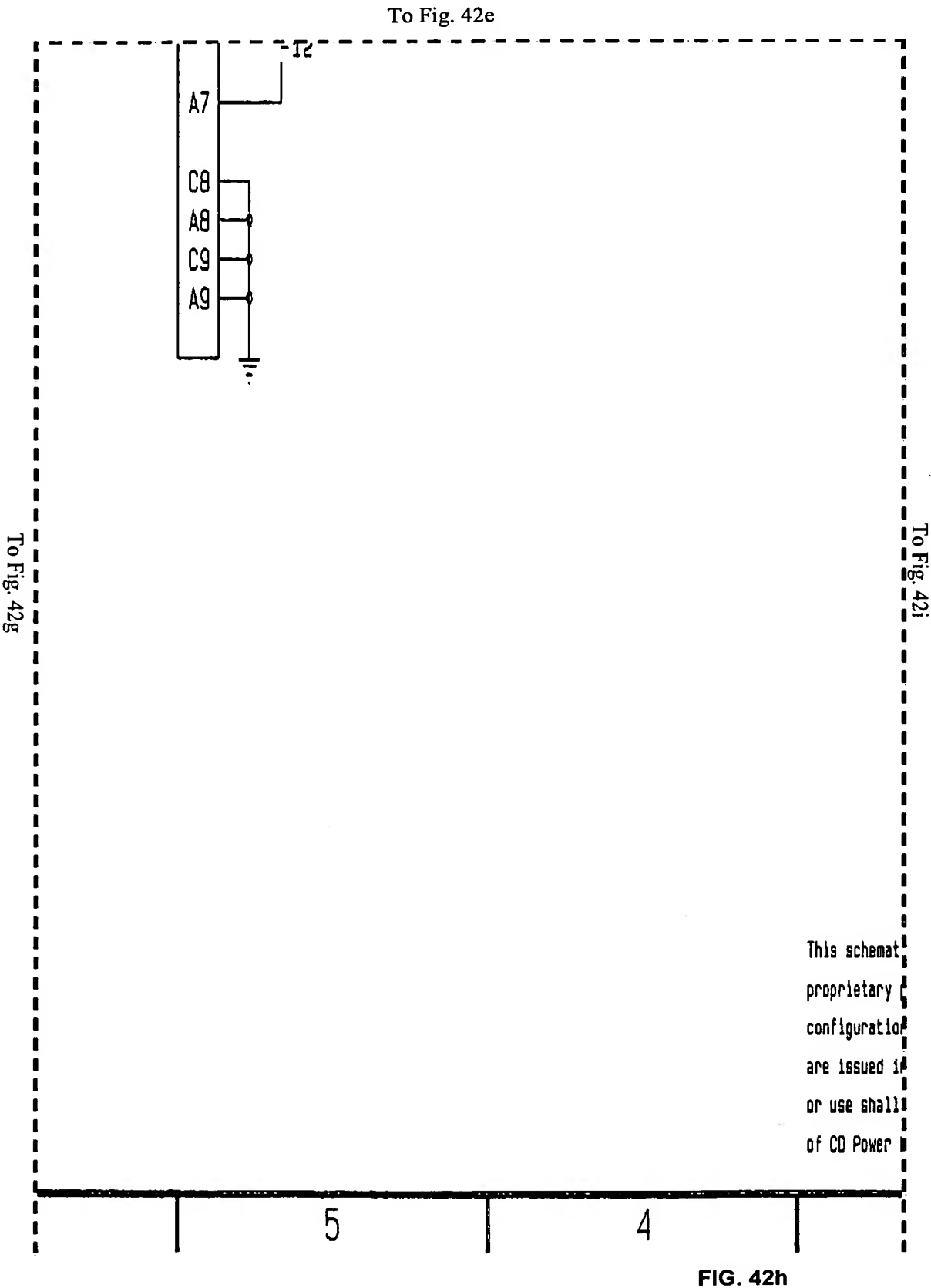
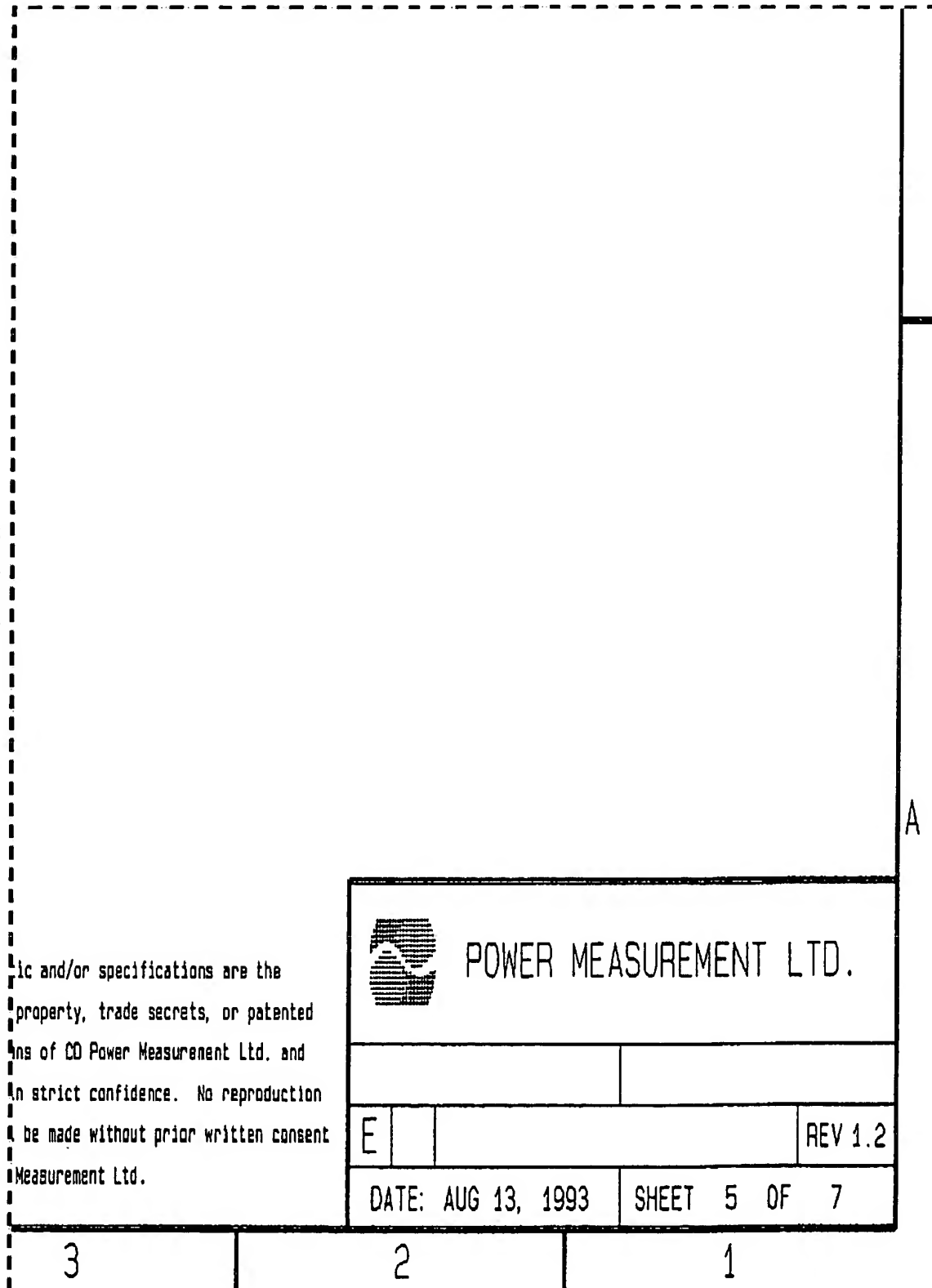


FIG. 42g



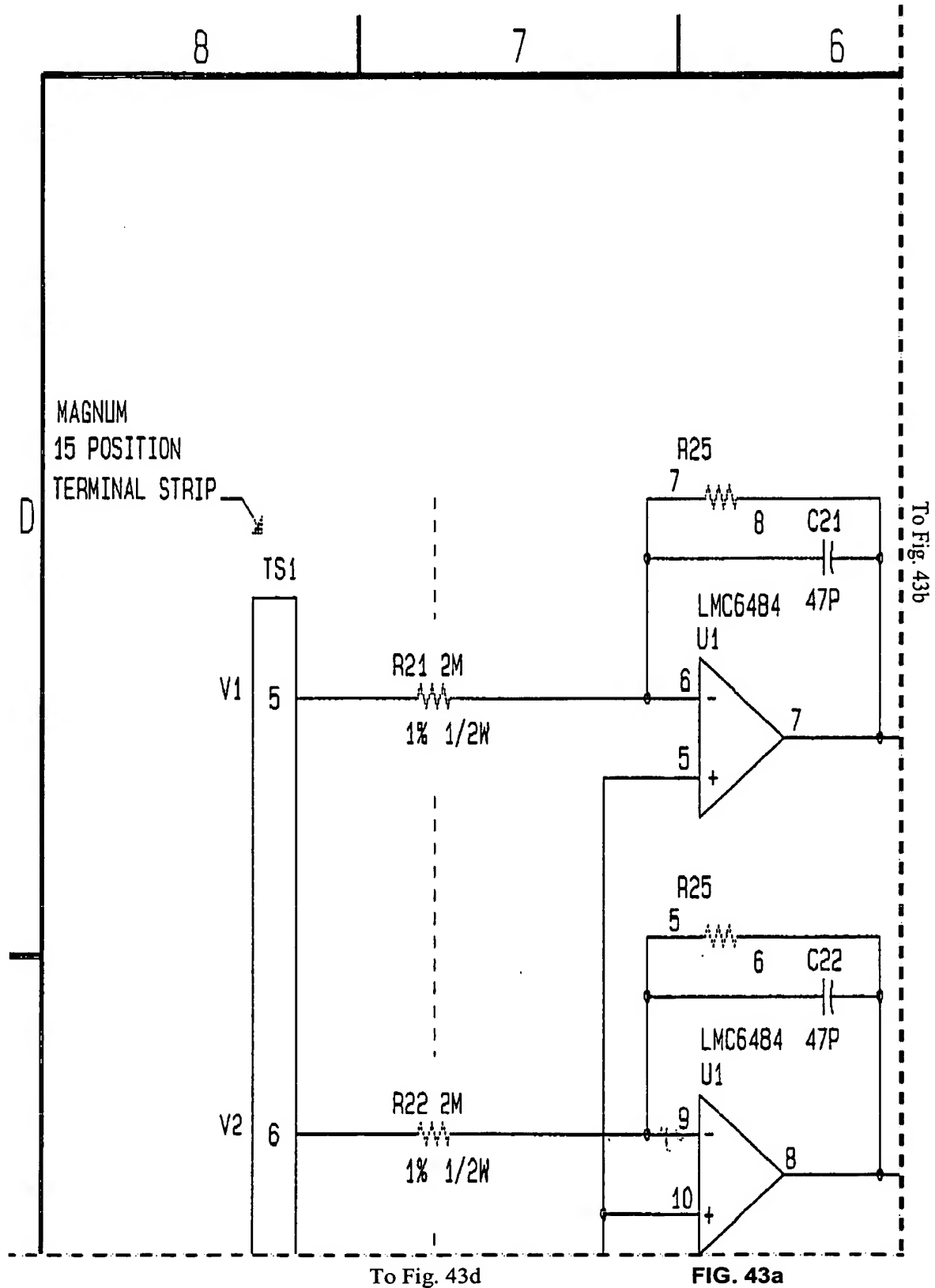
To Fig. 42f

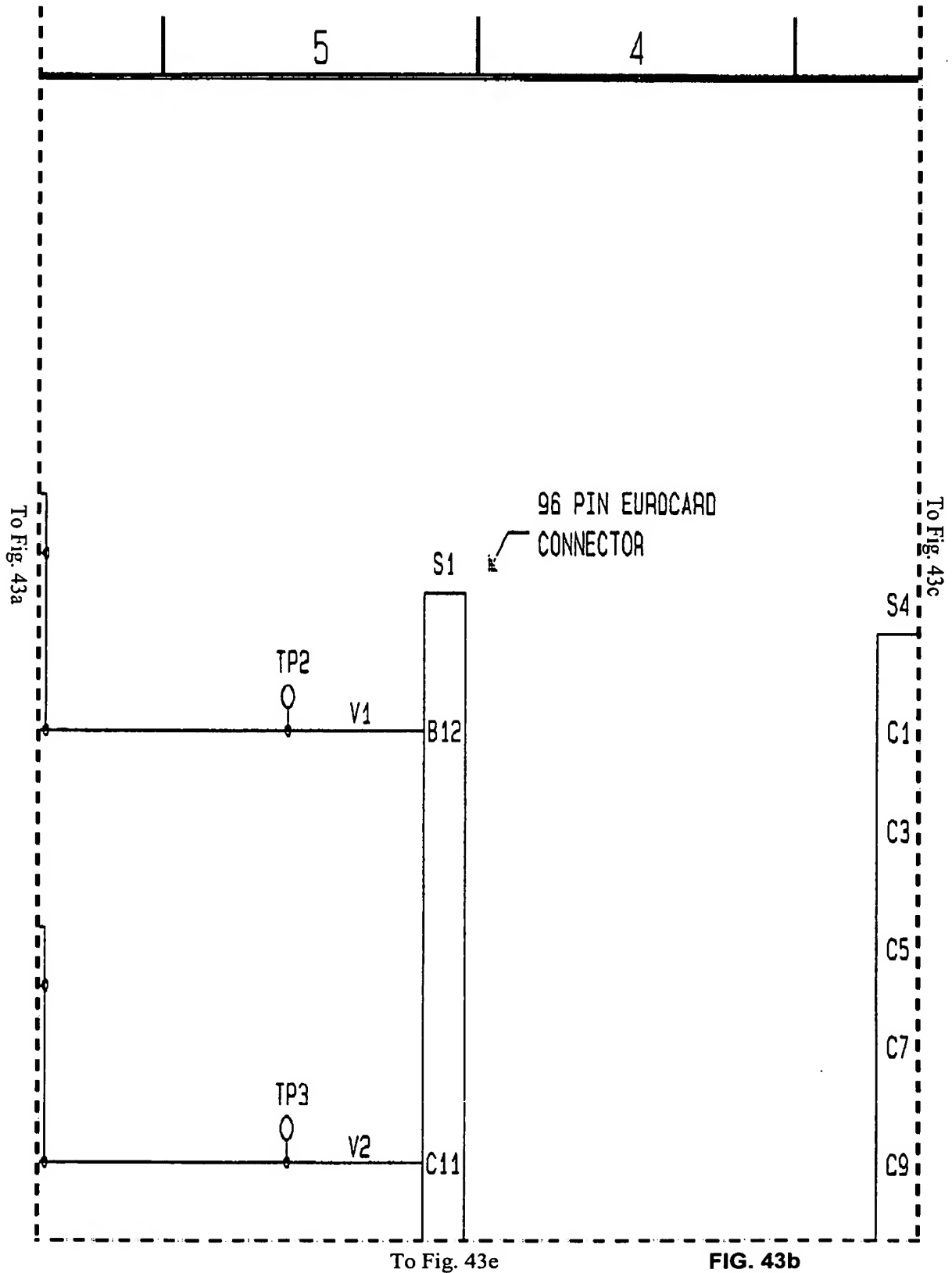
To Fig. 42h

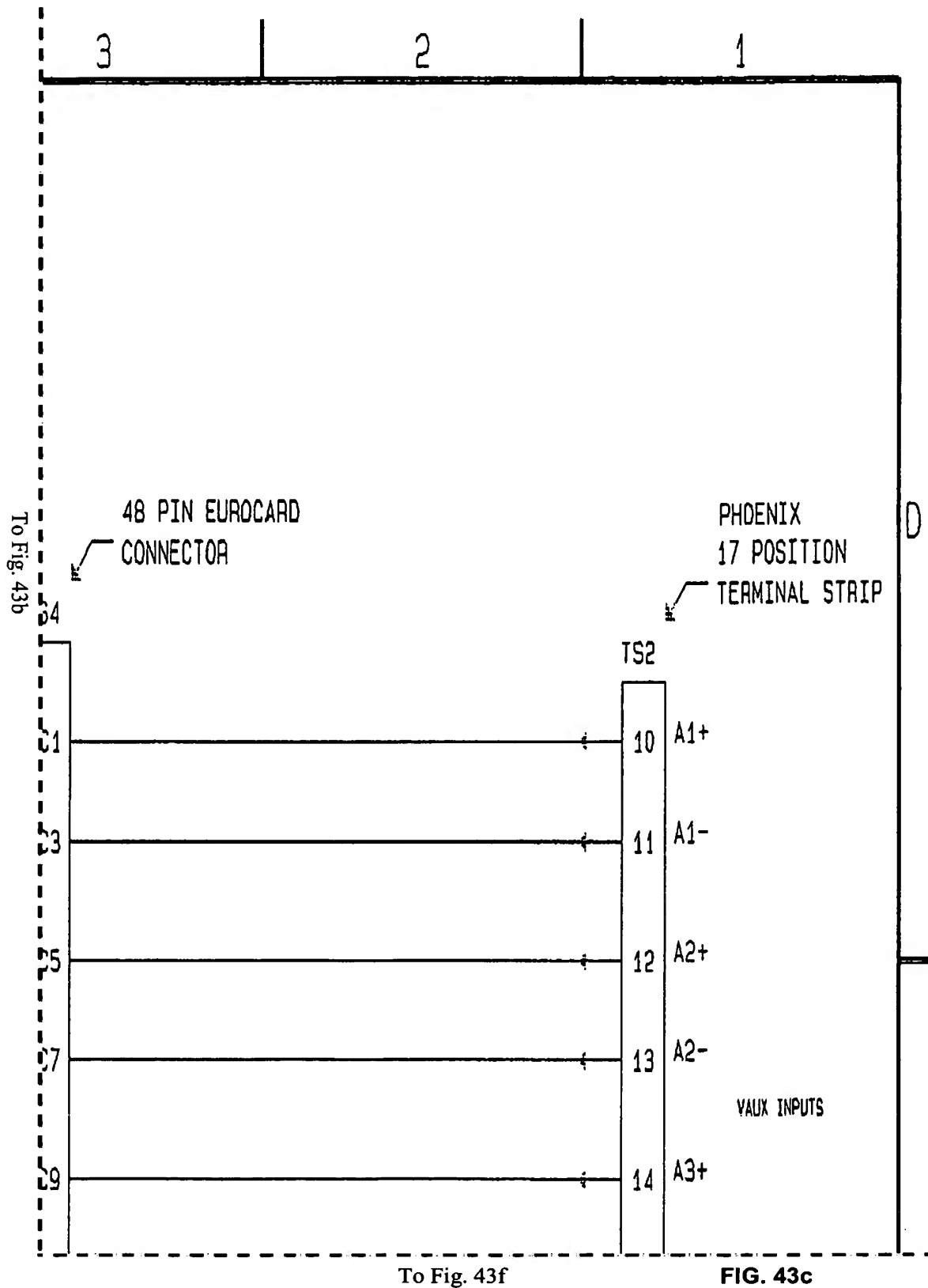


ic and/or specifications are the
 property, trade secrets, or patented
 ns of CD Power Measurement Ltd. and
 n strict confidence. No reproduction
 e made without prior written consent
 Measurement Ltd.

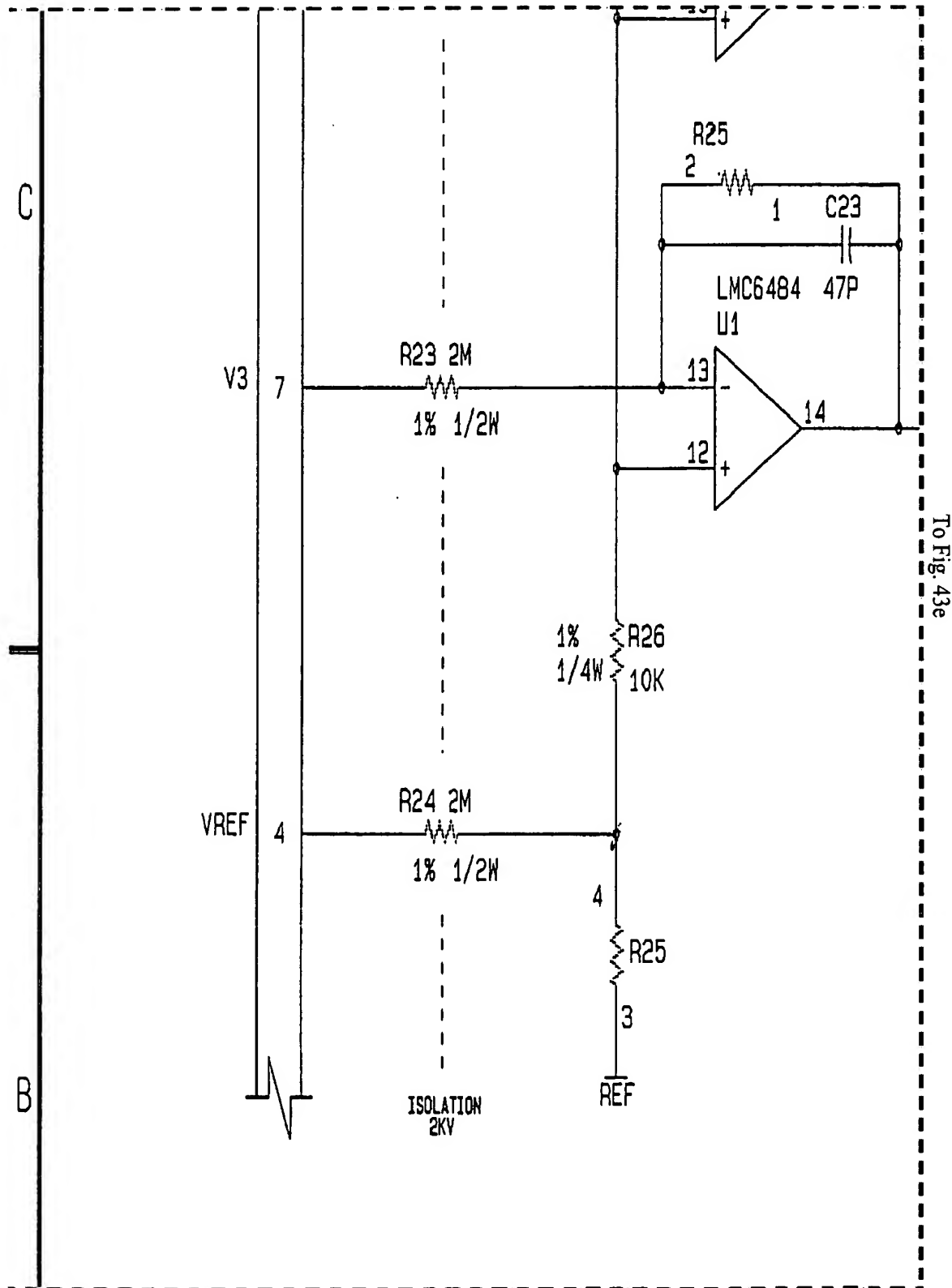
FIG. 42i







To Fig. 43a



To Fig. 43g

FIG. 43d

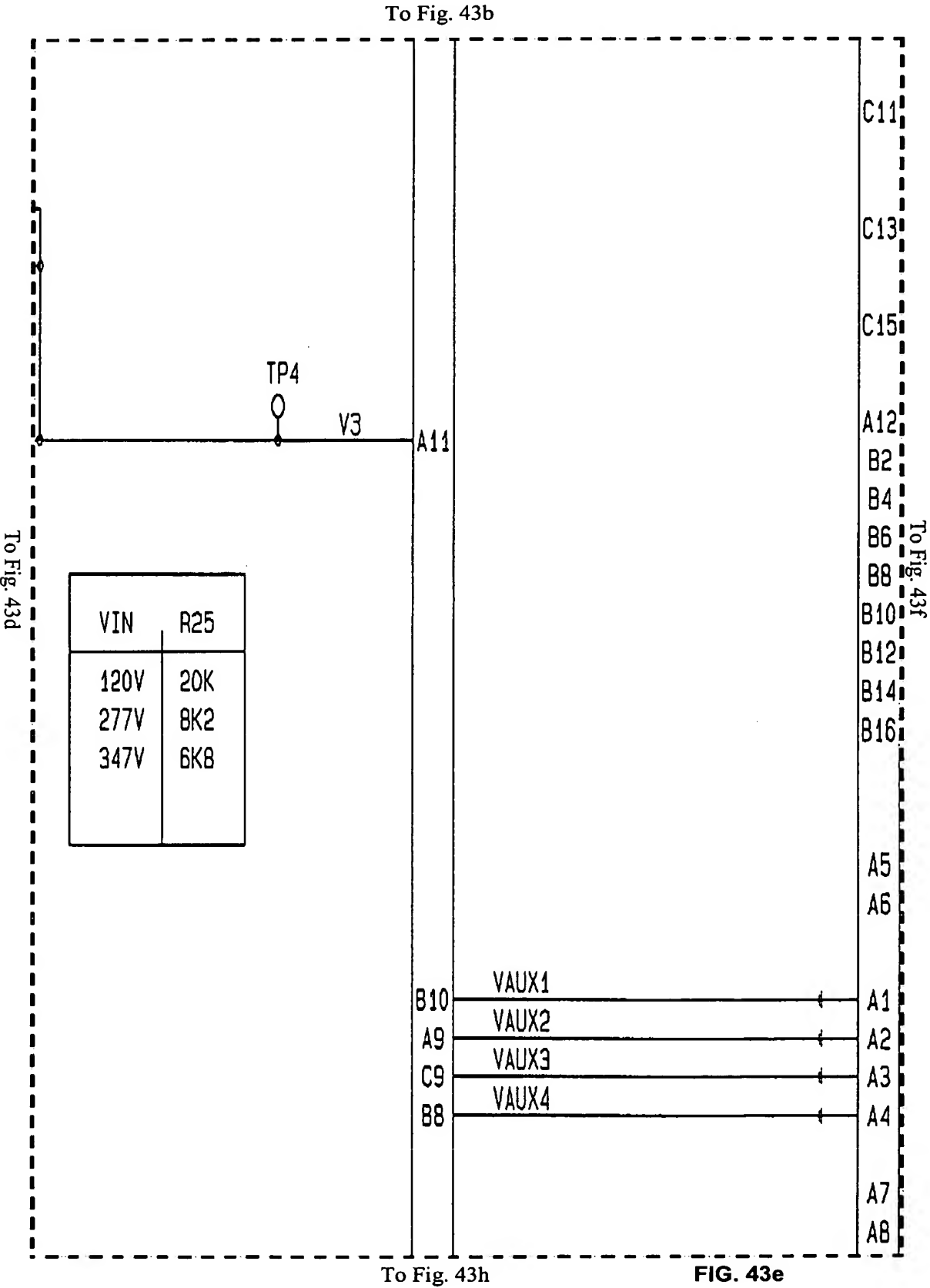


FIG. 43f

To Fig. 43d

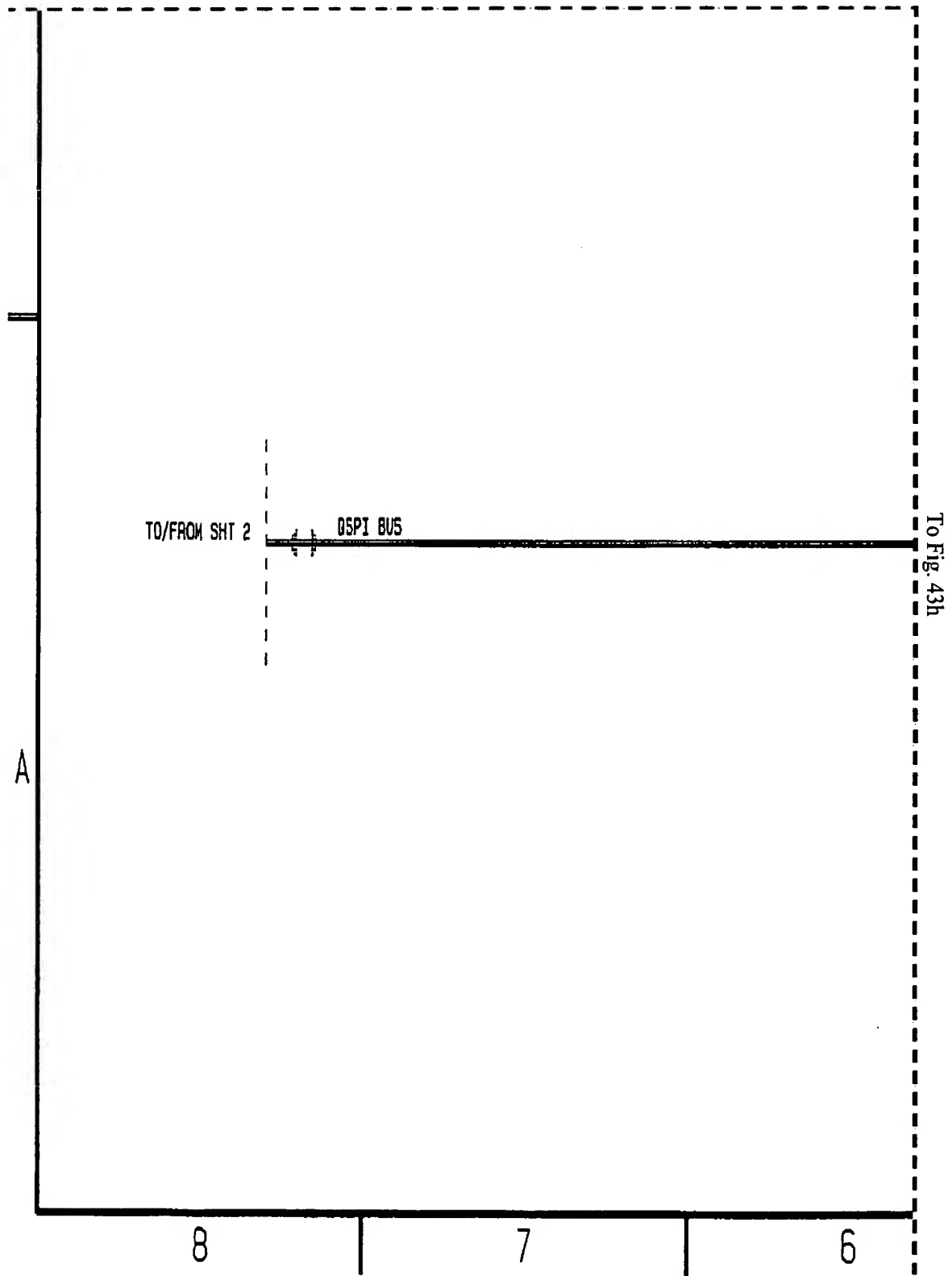


FIG. 43g

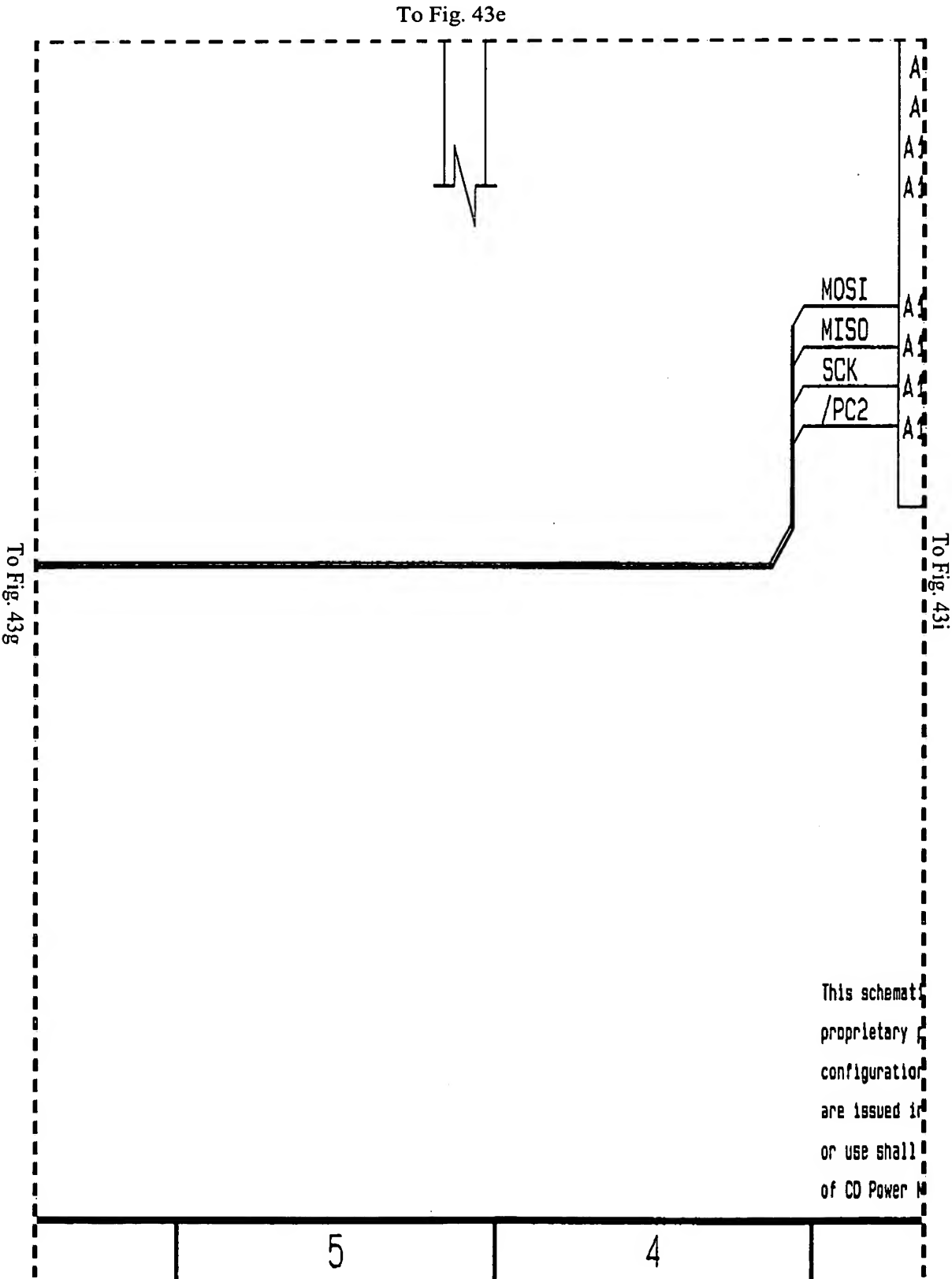
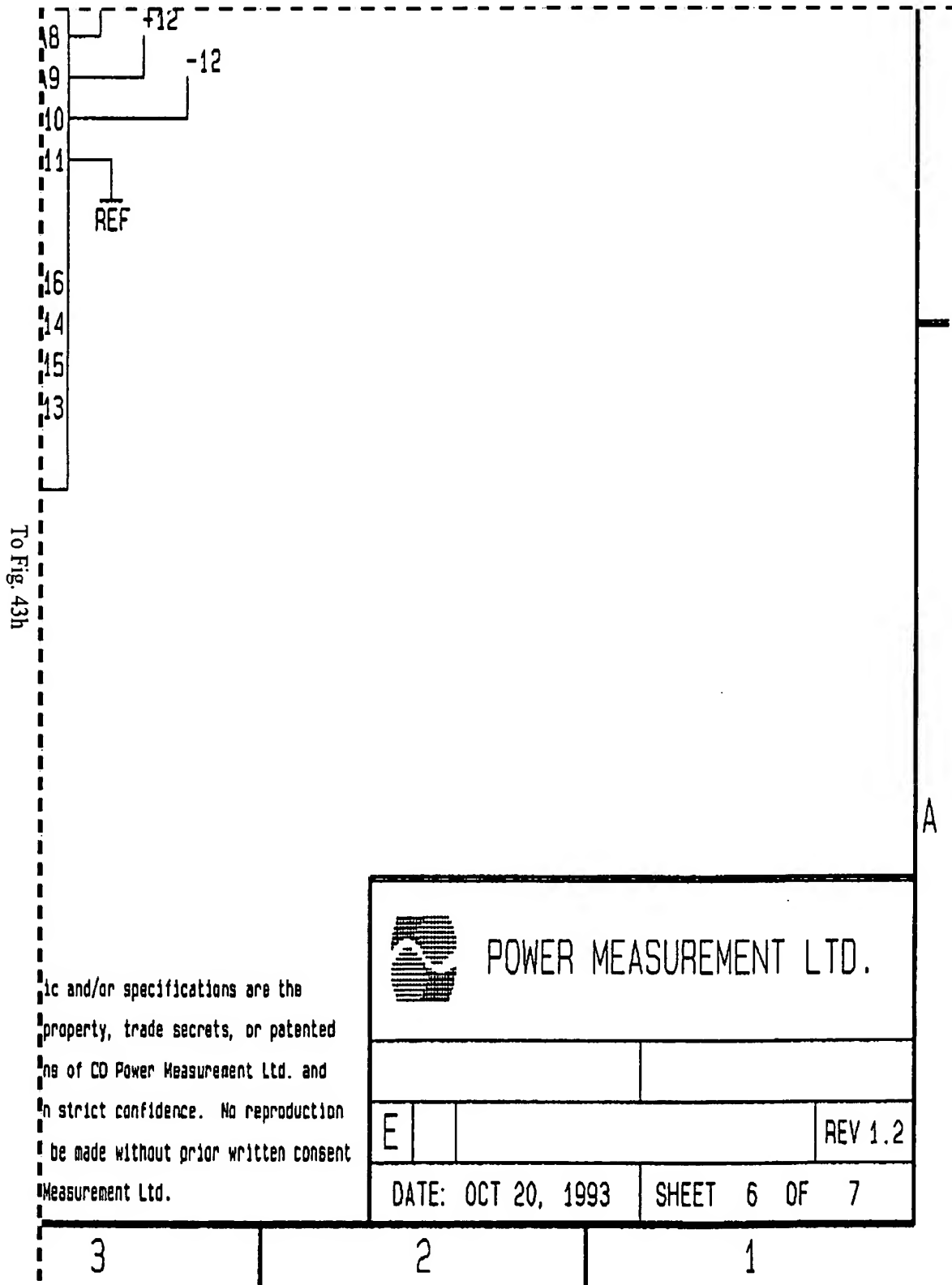


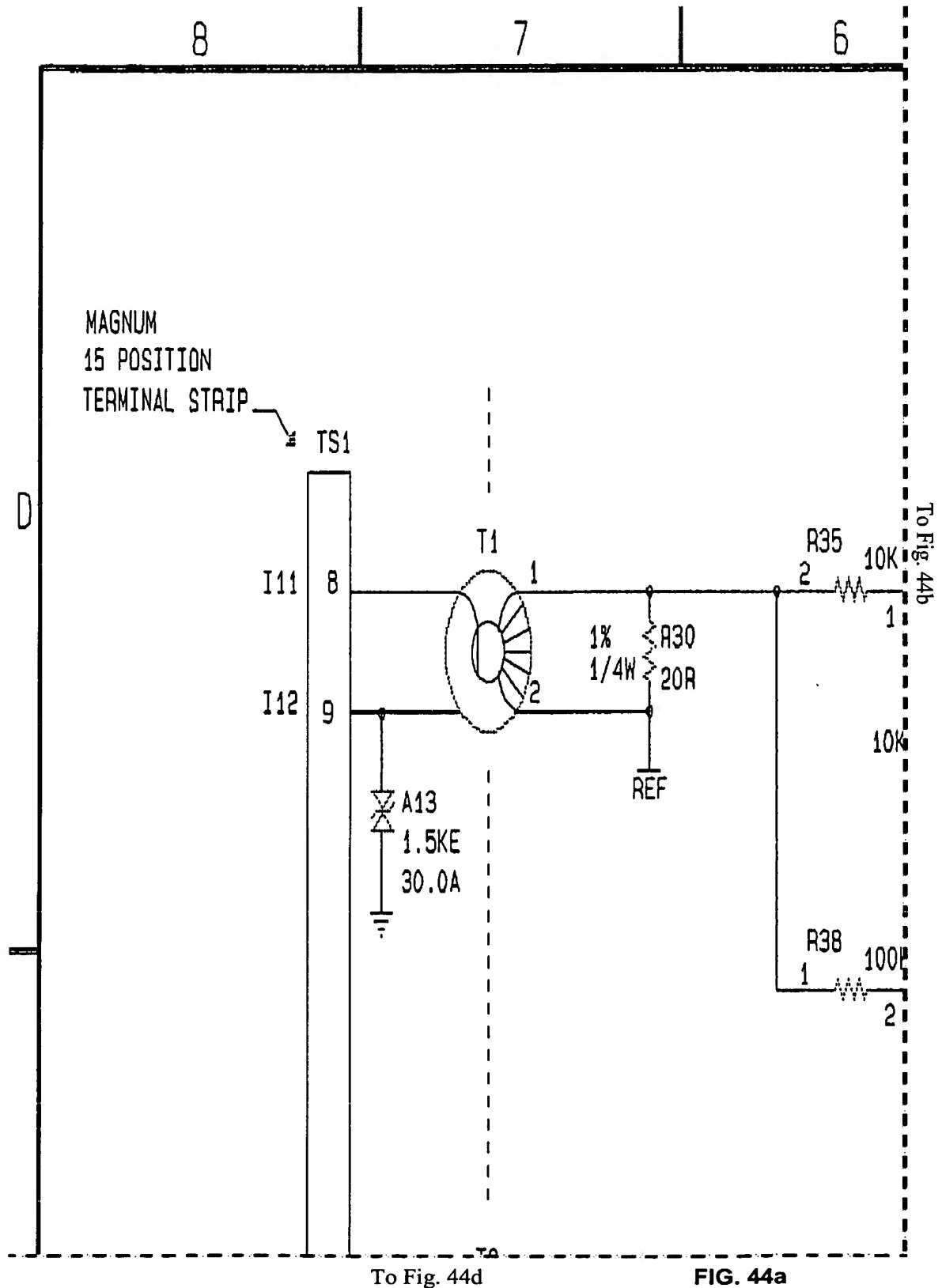
FIG. 43h

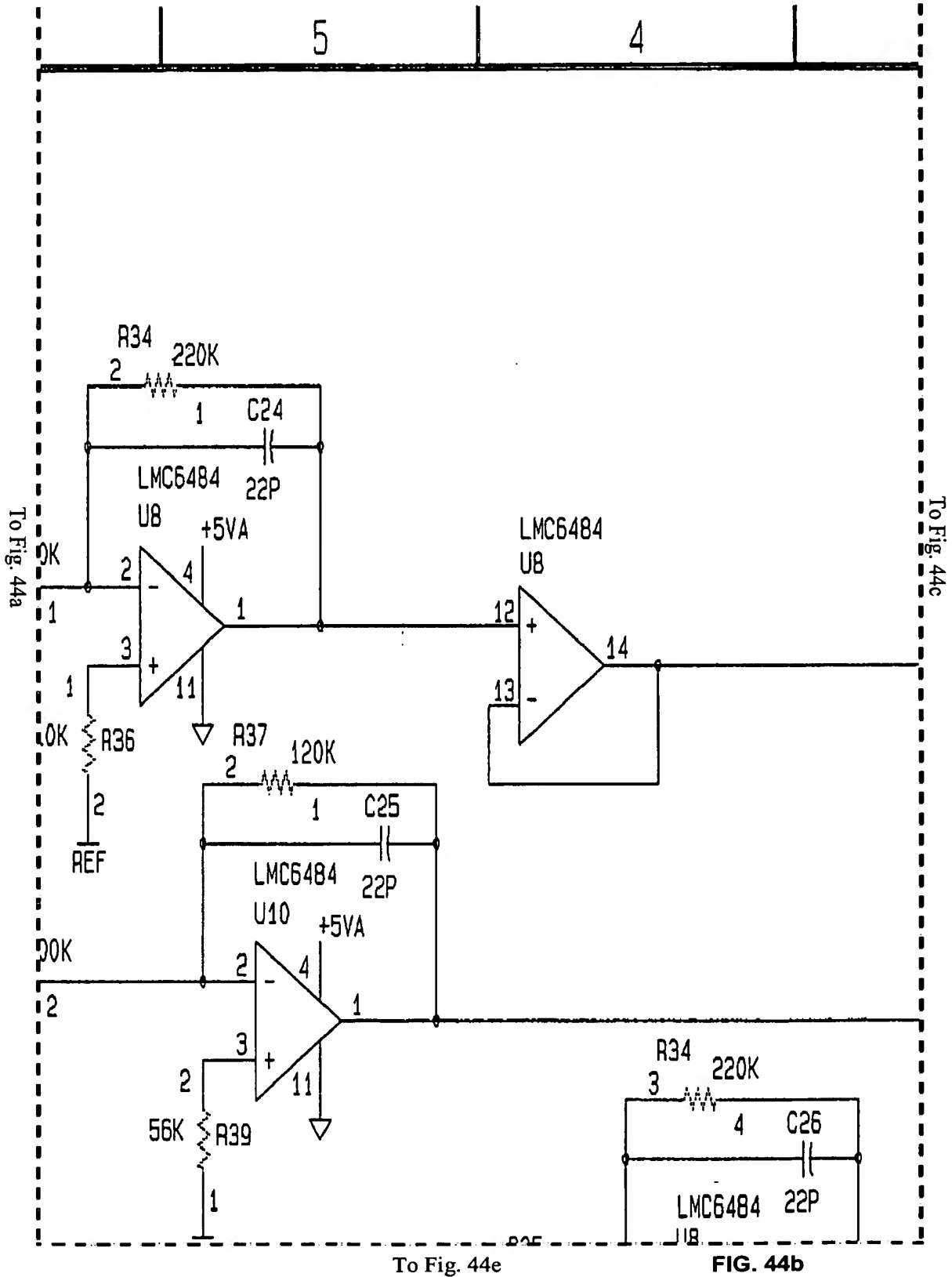
To Fig. 43f

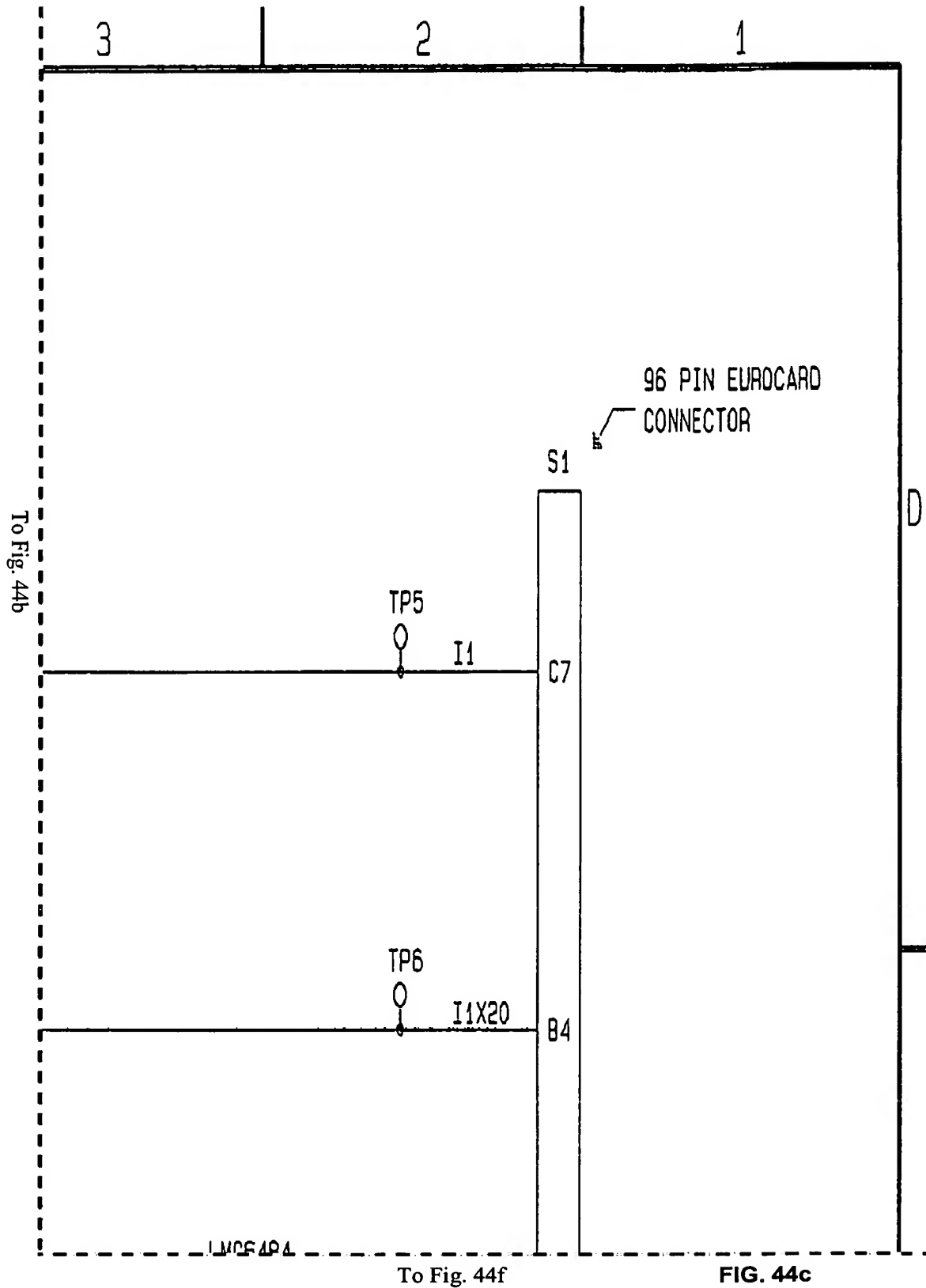


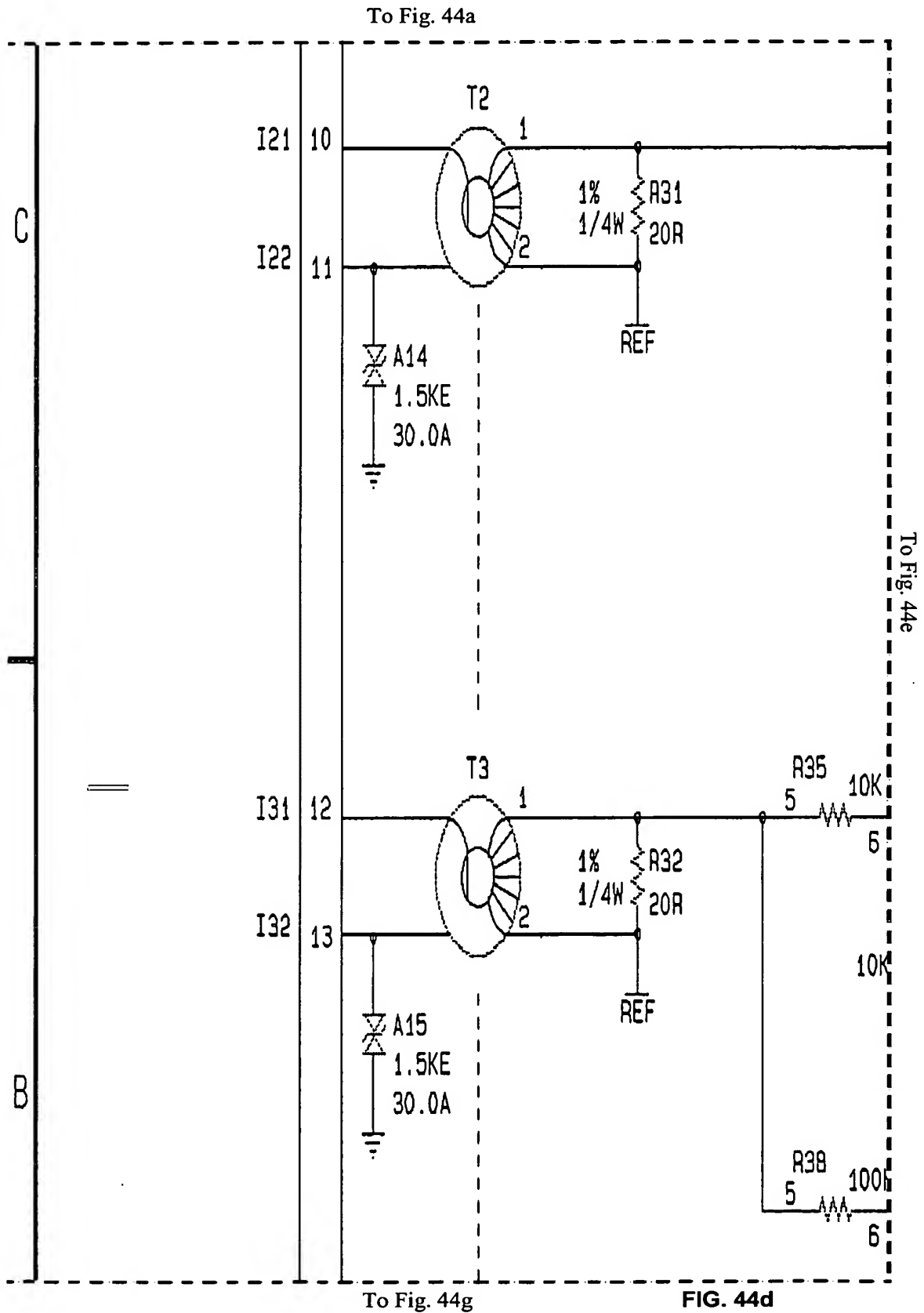
To Fig. 43h

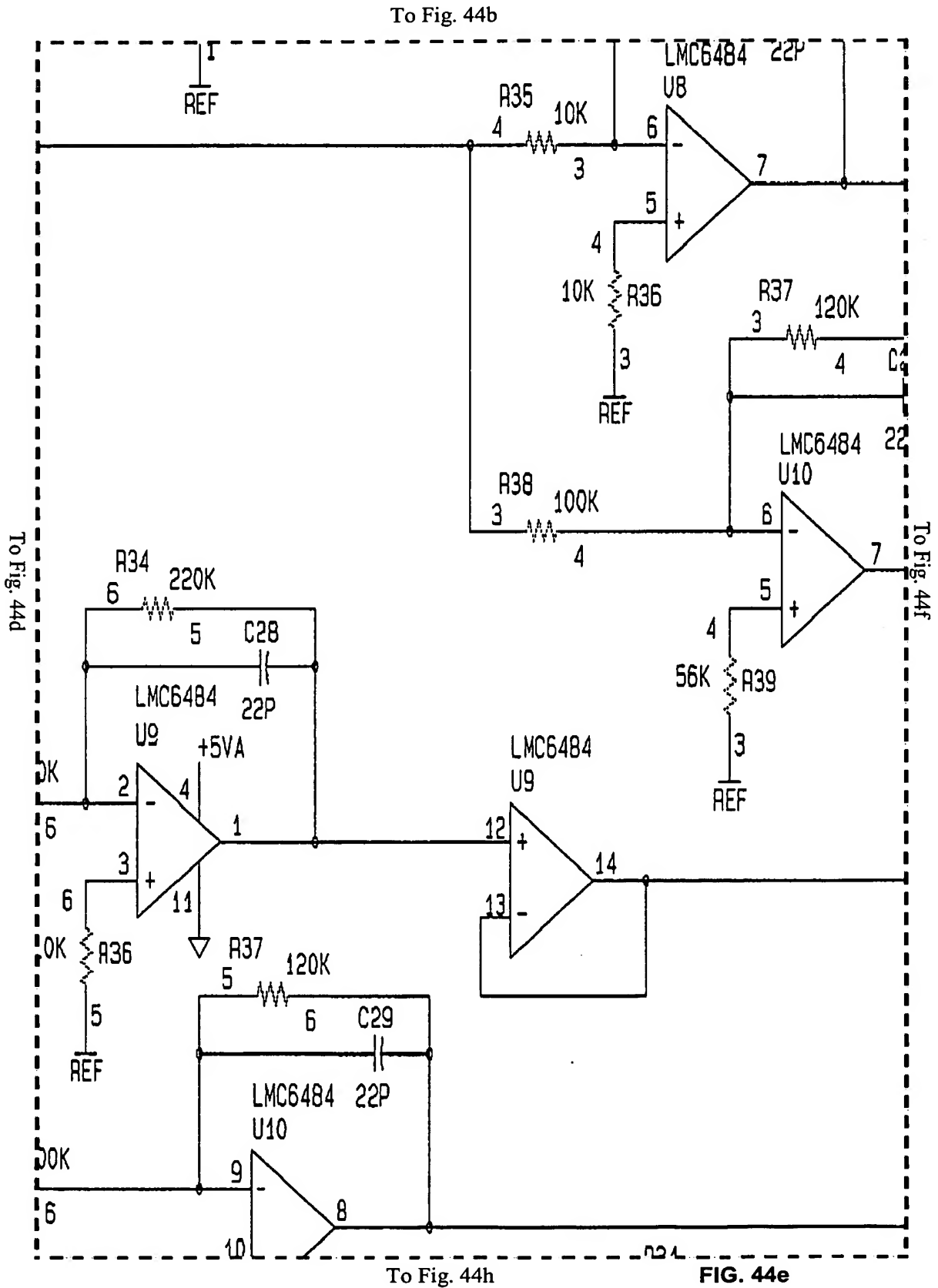
ic and/or specifications are the
property, trade secrets, or patented
ns of CD Power Measurement Ltd. and
n strict confidence. No reproduction
be made without prior written consent
Measurement Ltd.



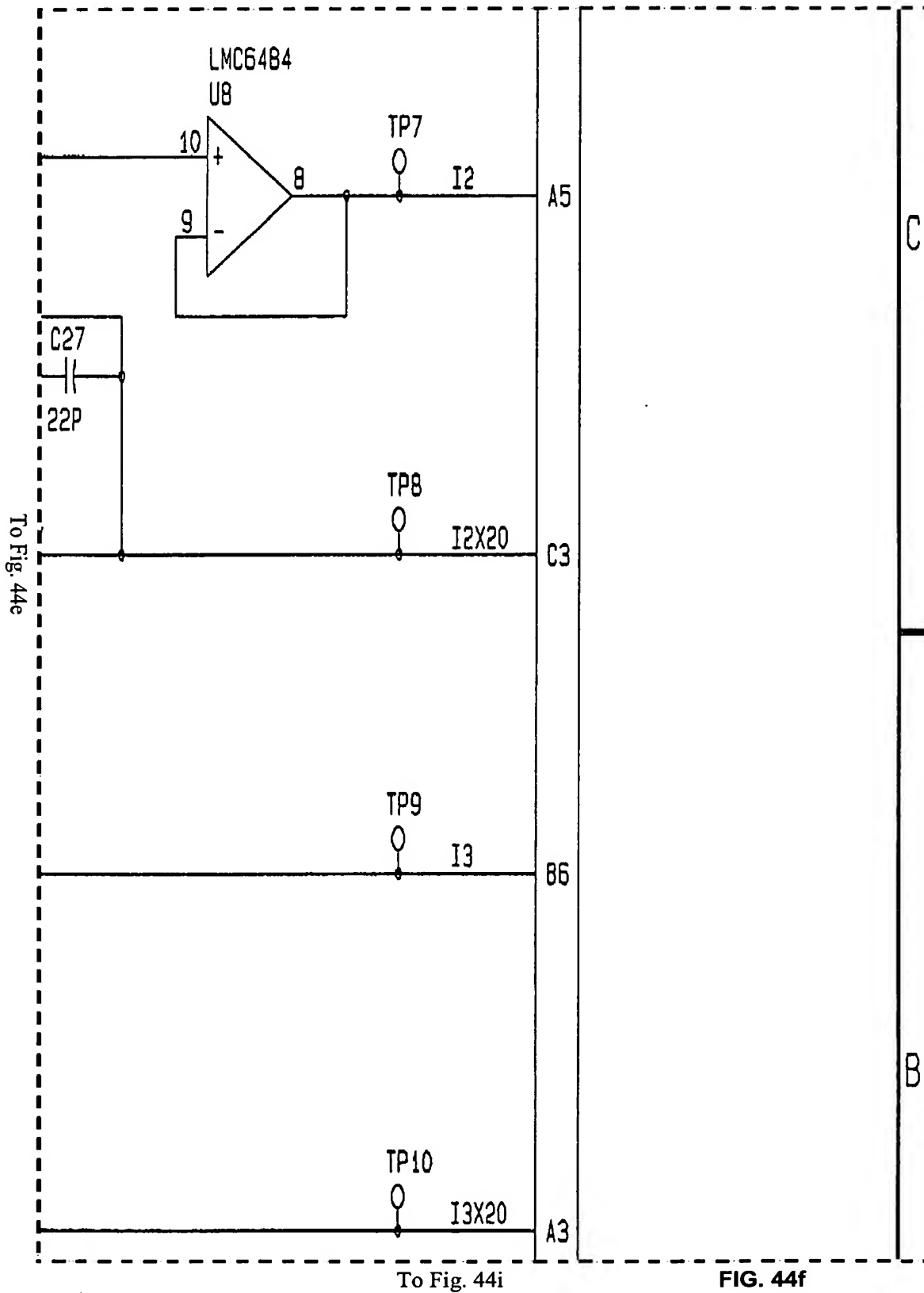


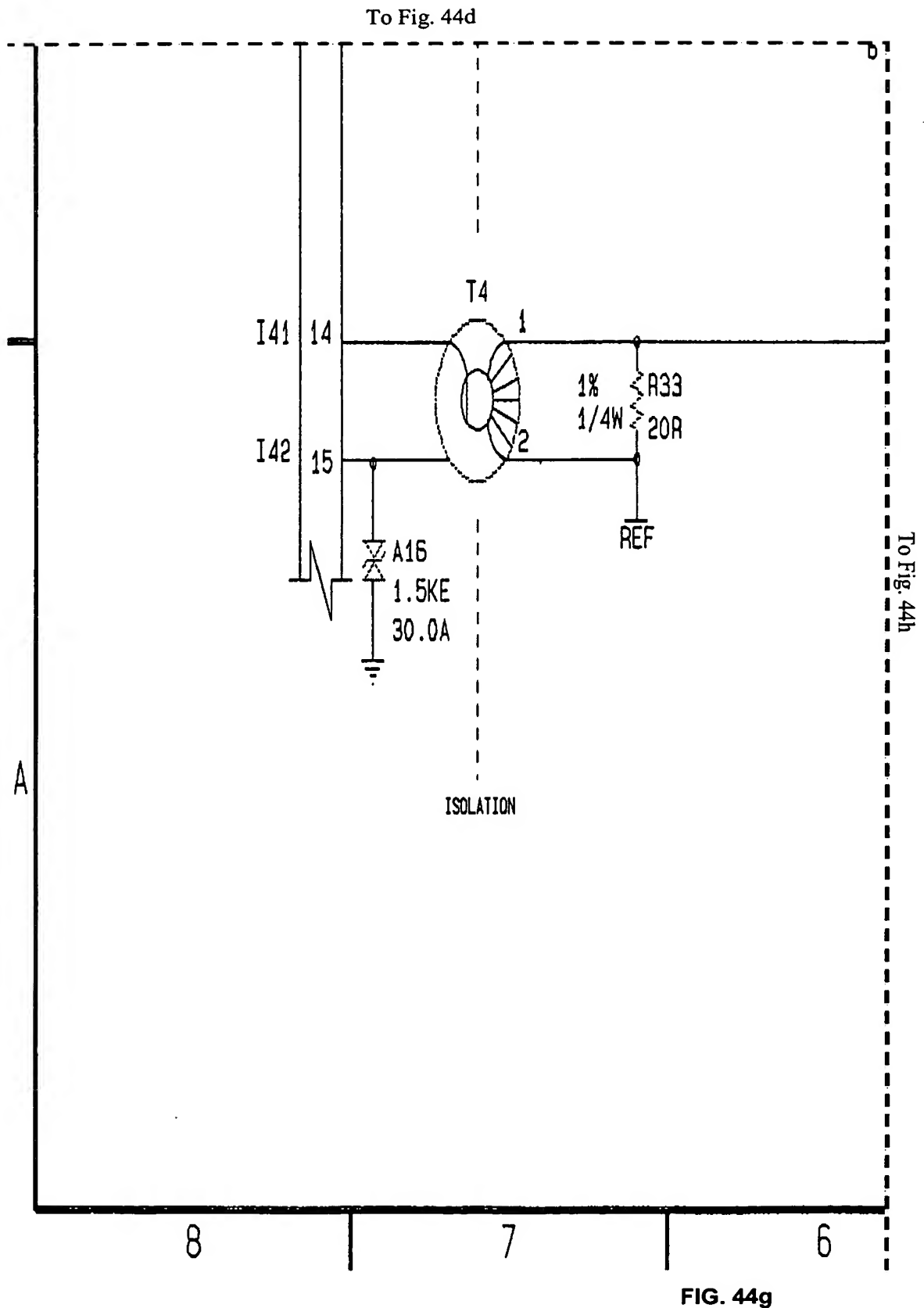


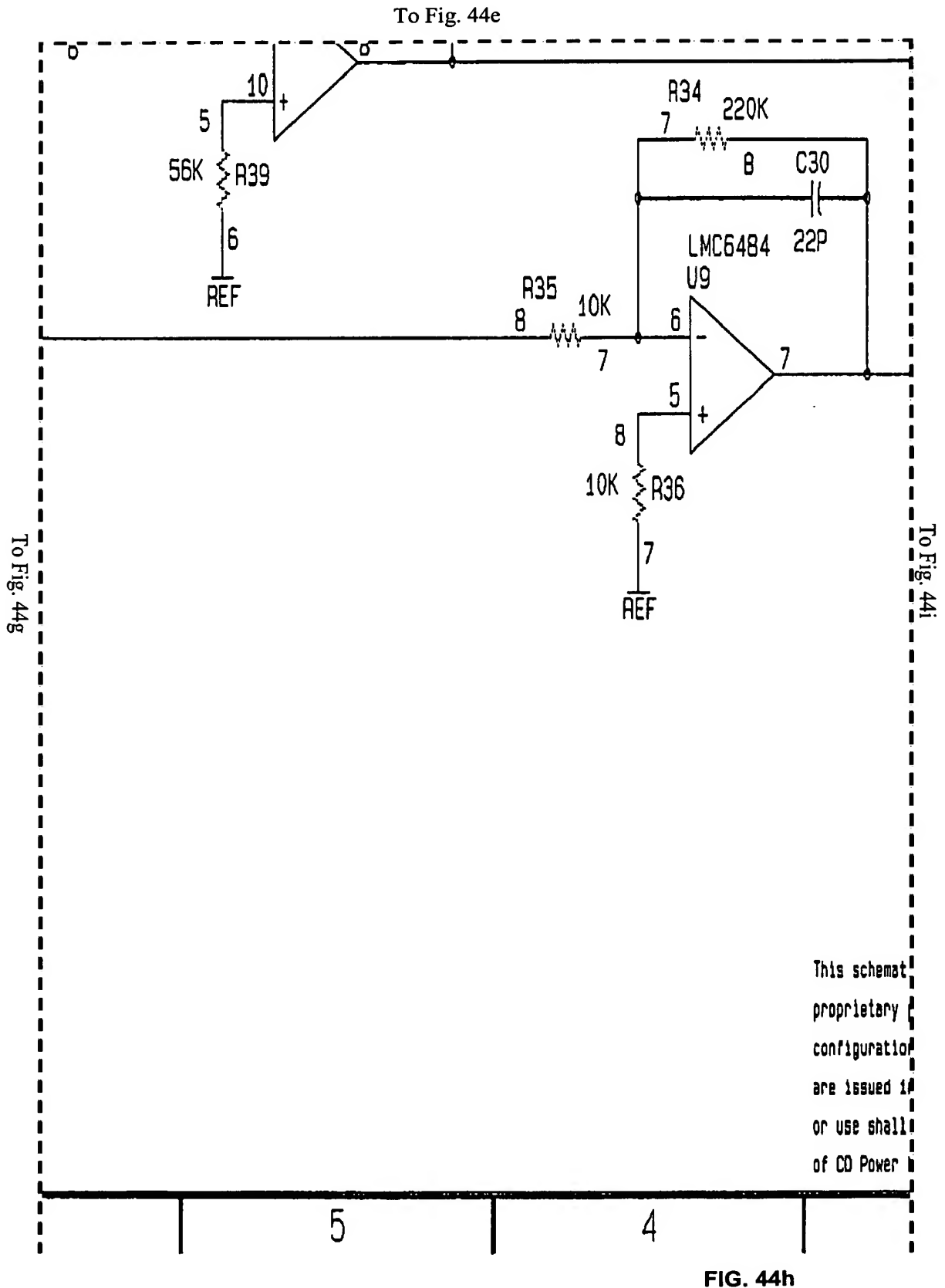




To Fig. 44c







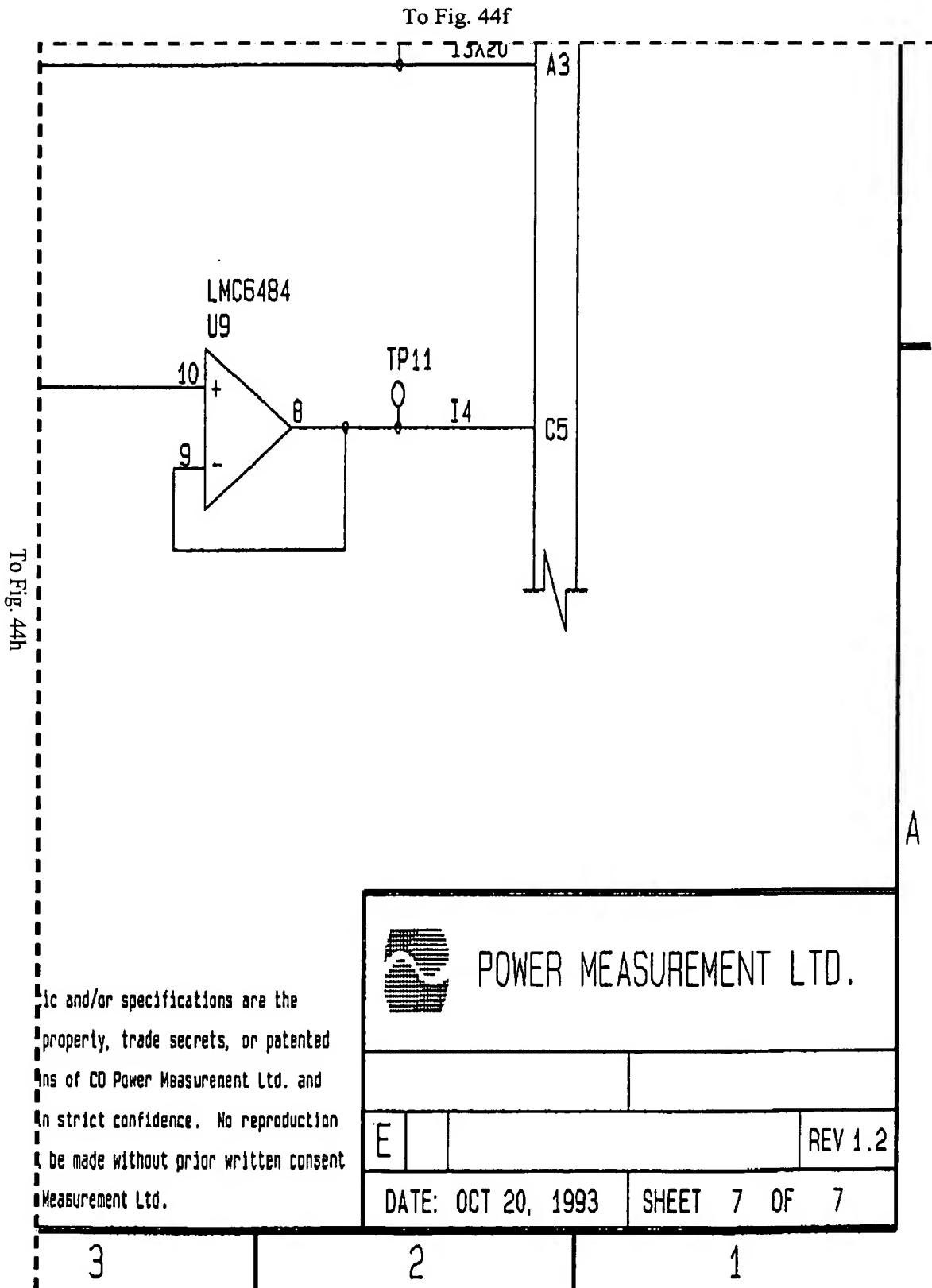
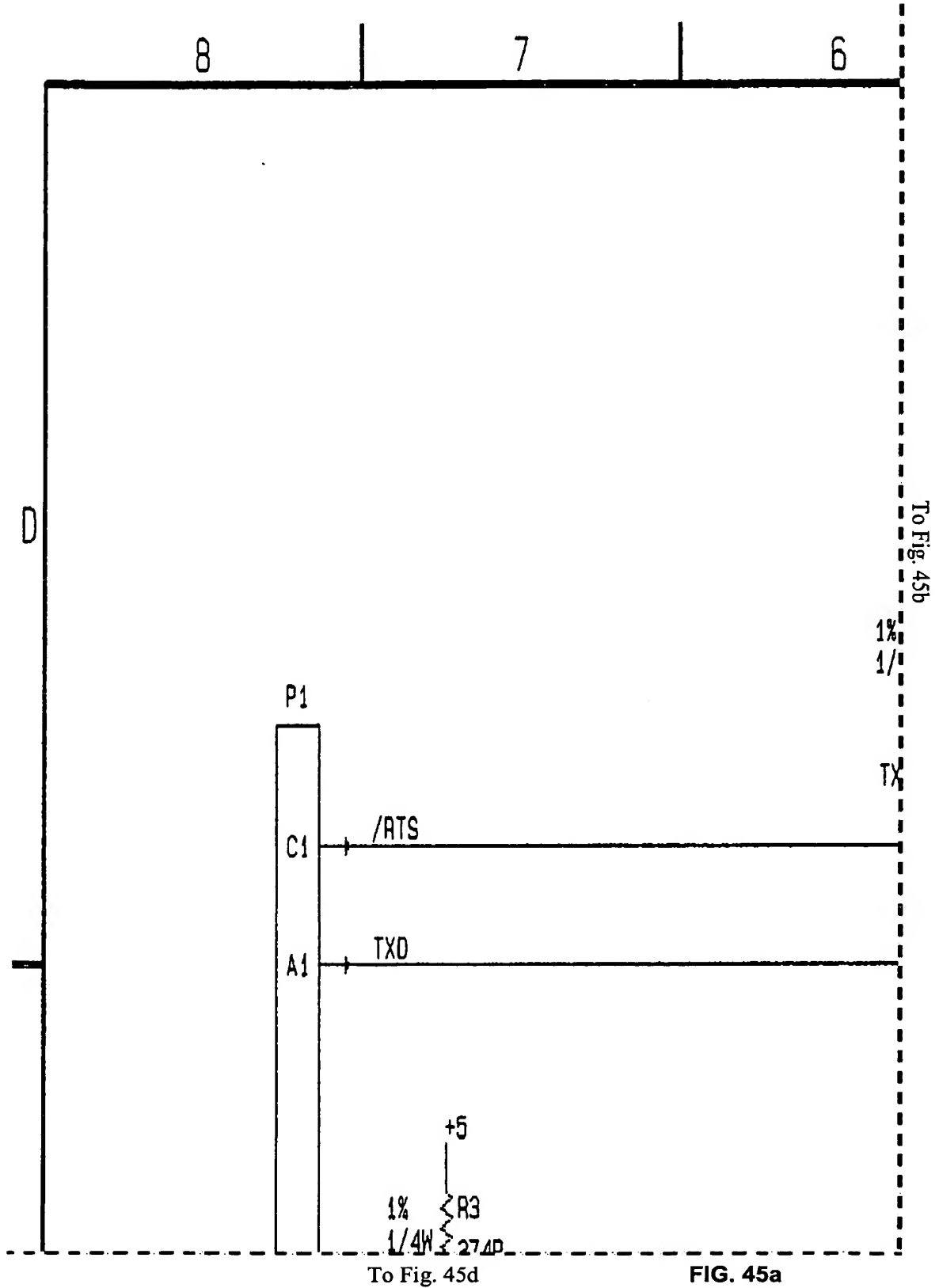
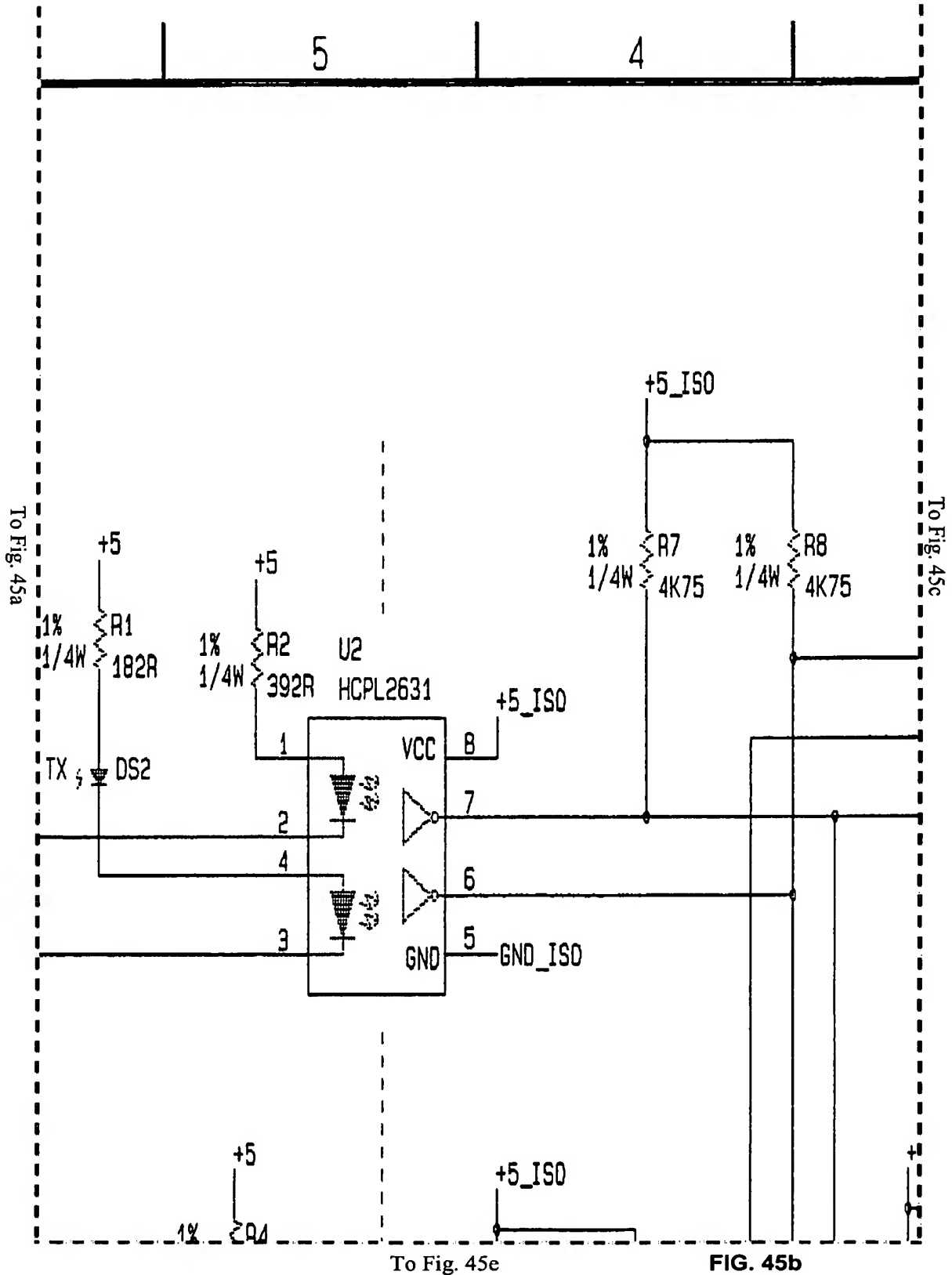


FIG. 44i





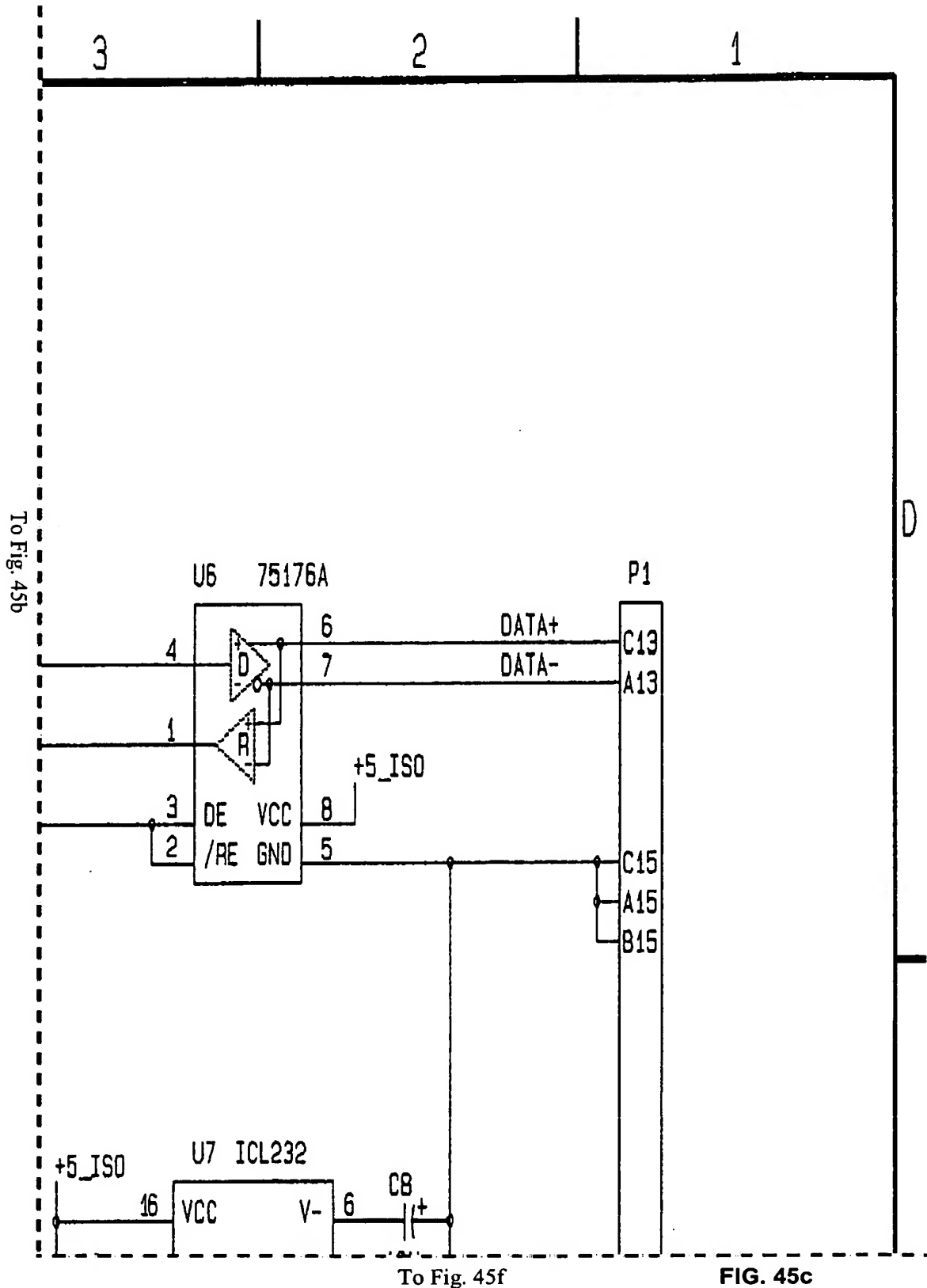
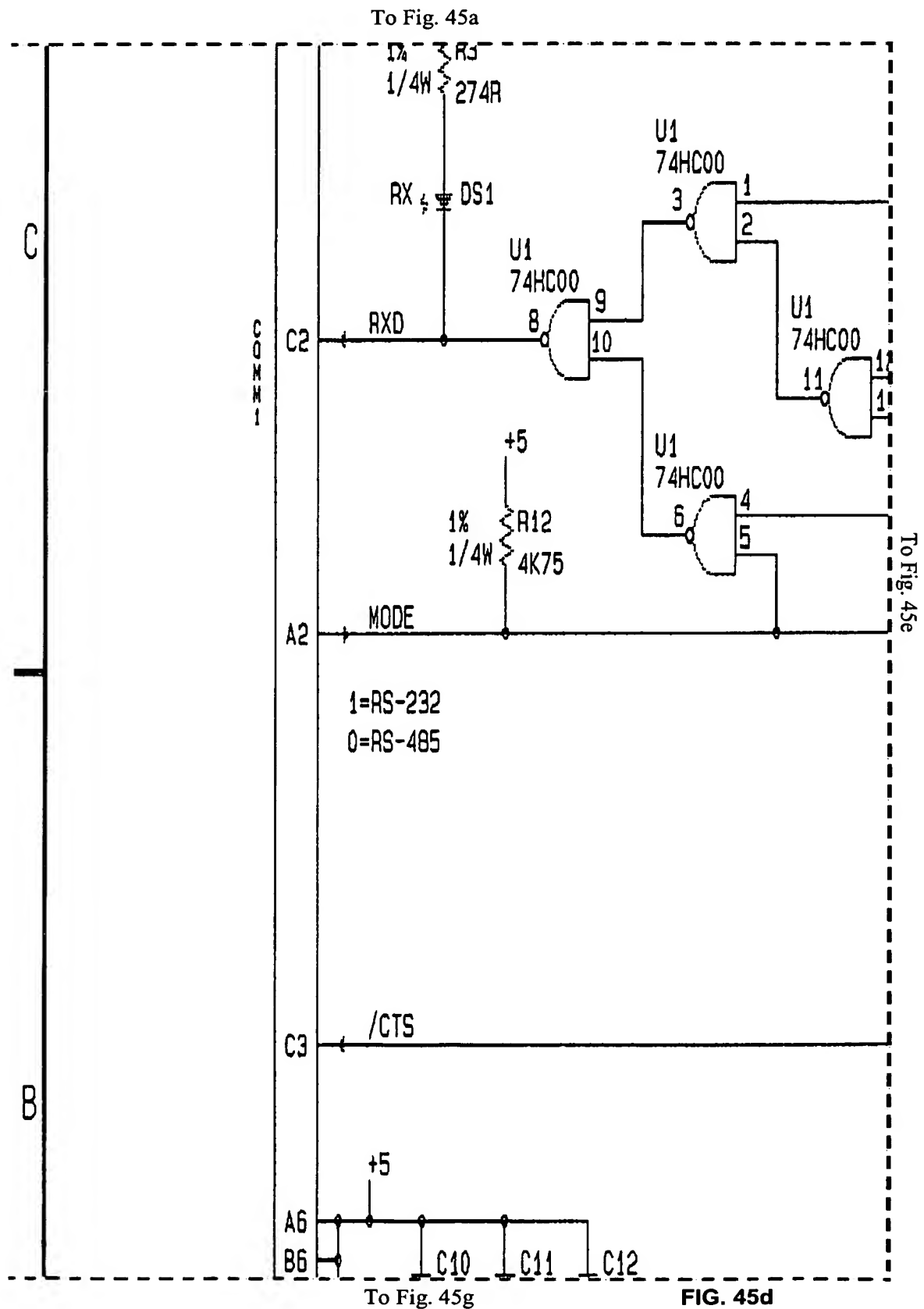
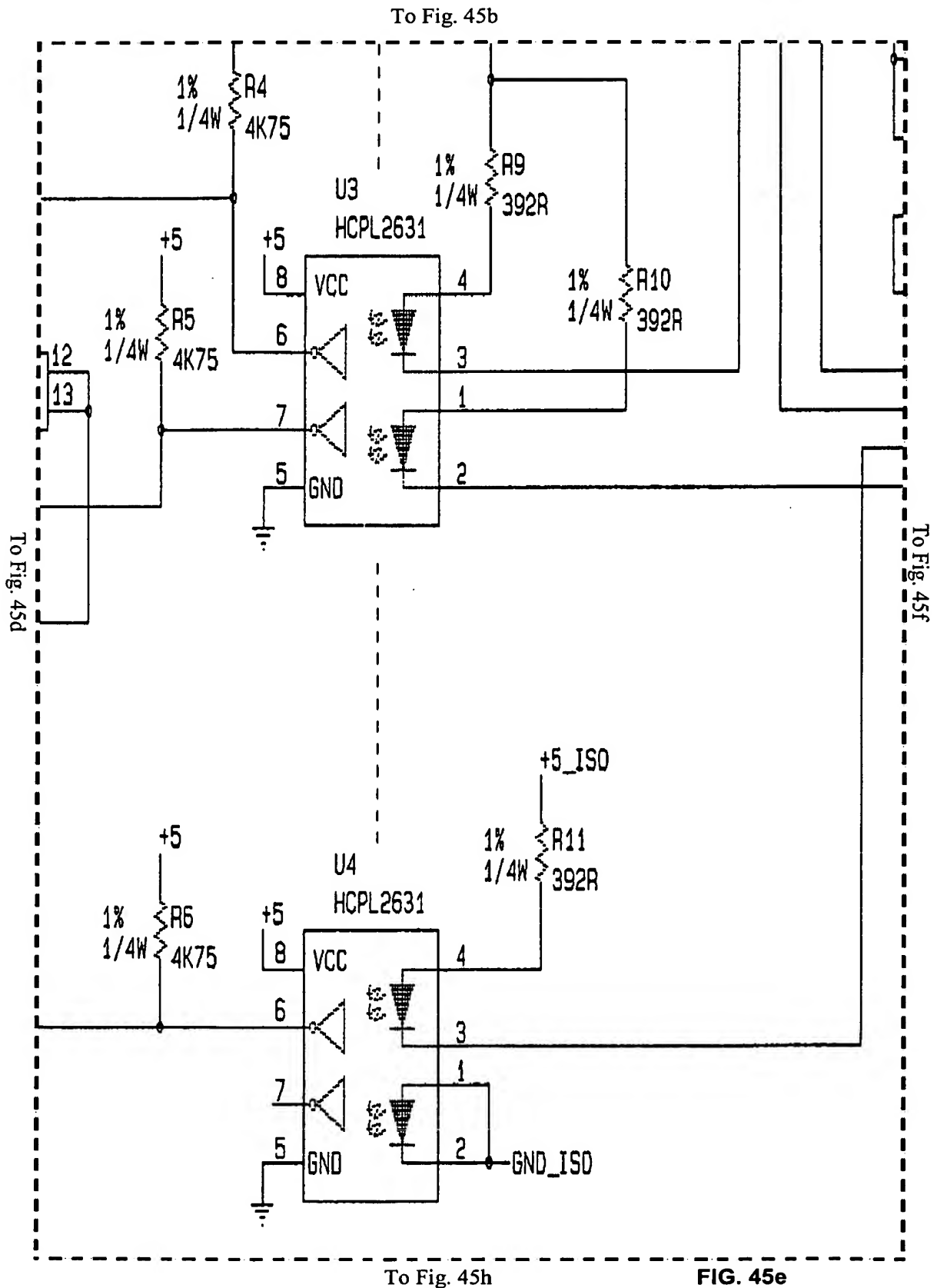
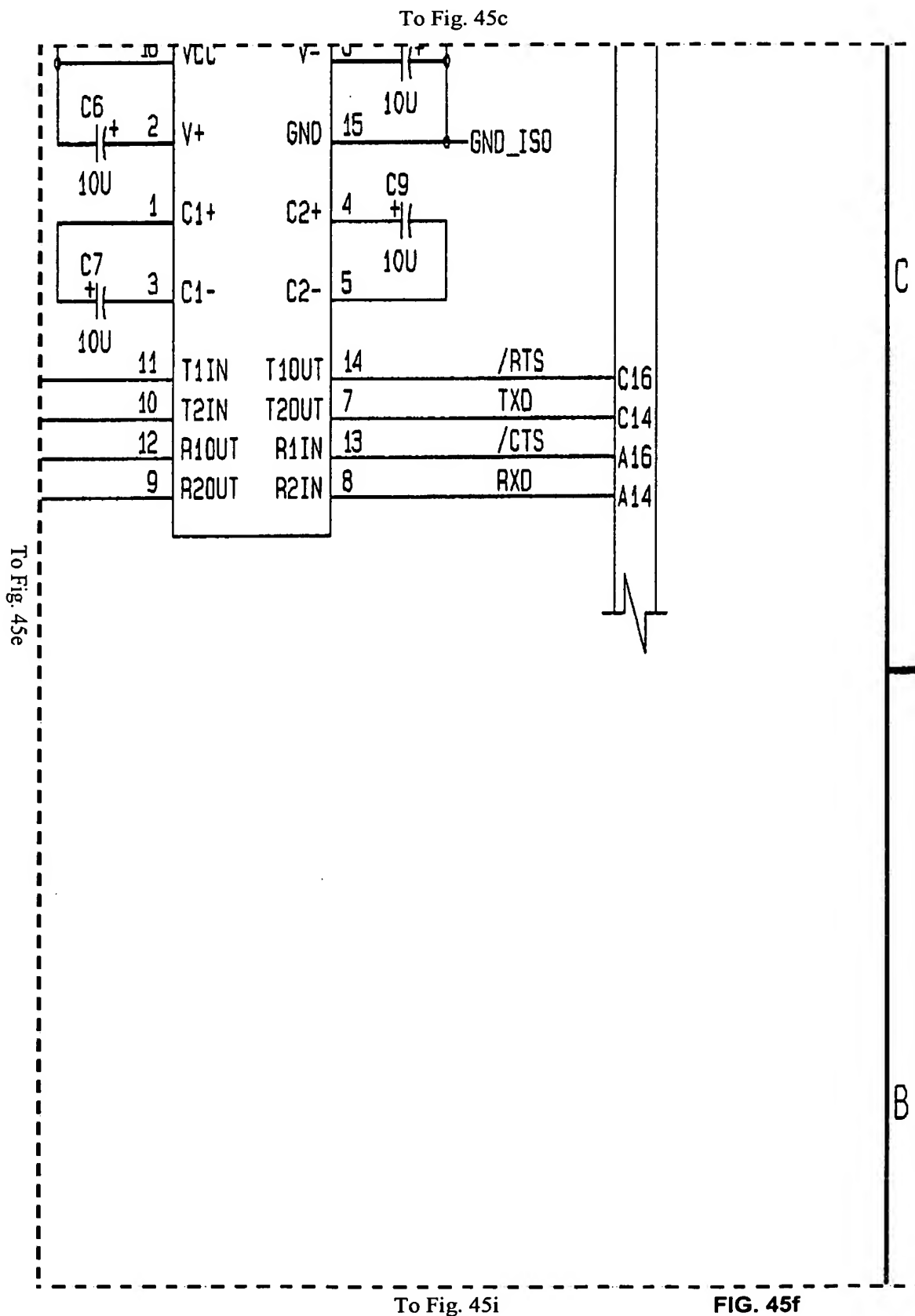


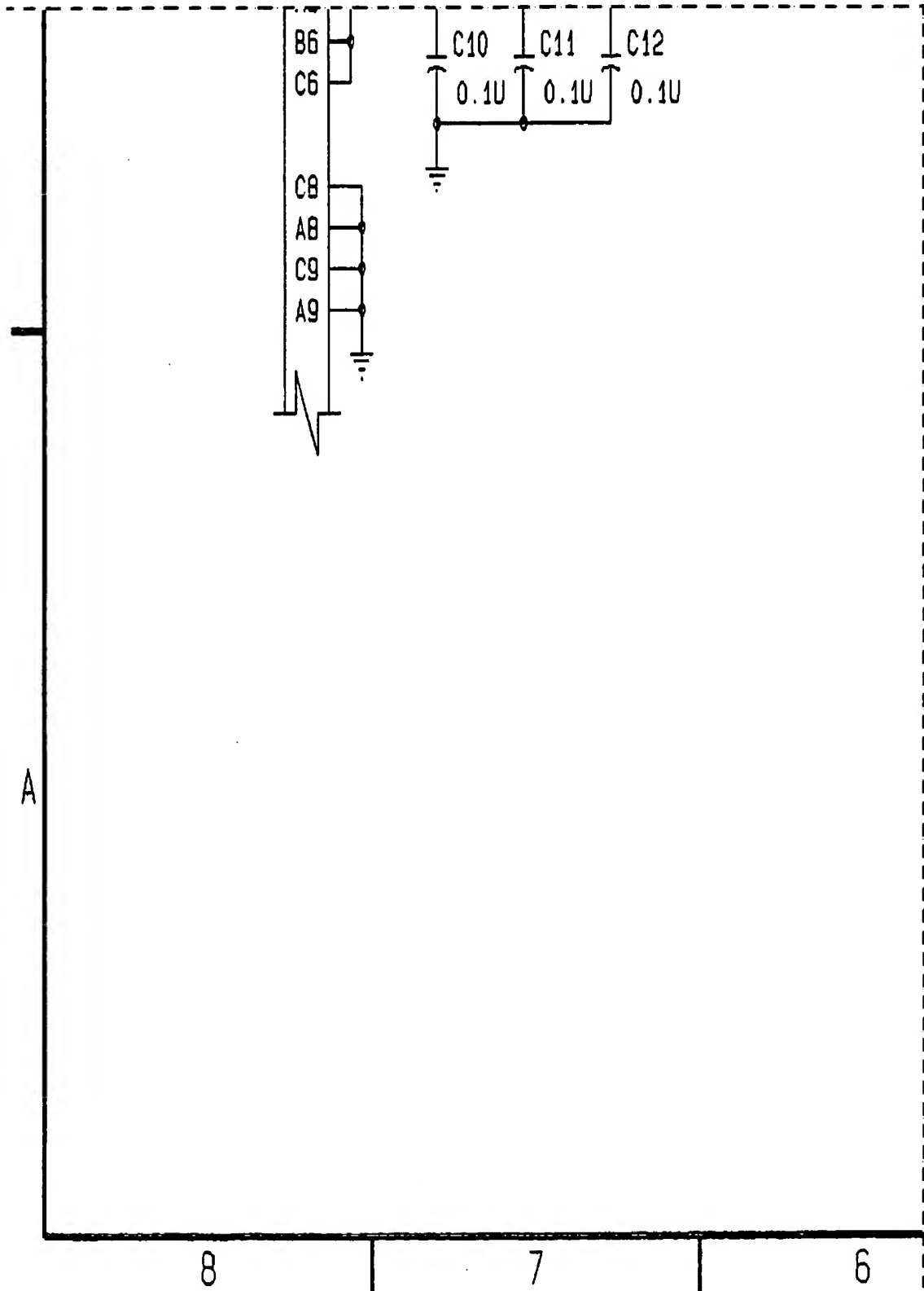
FIG. 45c







To Fig. 45d

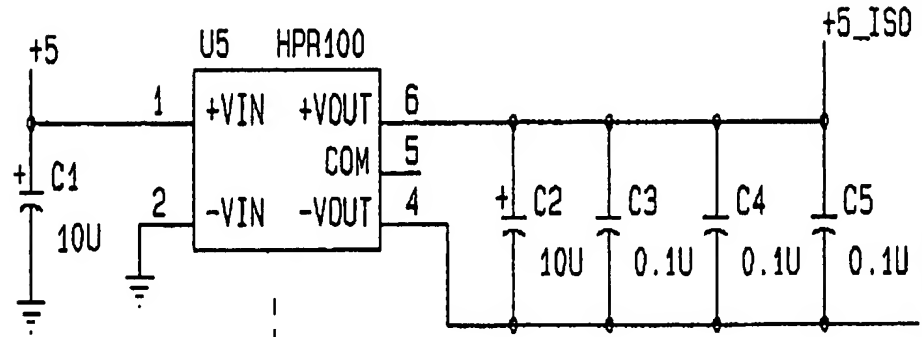


To Fig. 45h

FIG. 45g

To Fig. 45e

To Fig. 45g



To Fig. 45i

ISOLATION

This schematic
proprietary
configuration
are issued if
or use shall
of CD Power

5

4

FIG. 45h

To Fig. 45f

To Fig. 45h

GND_ISO

all and/or specifications are the
property, trade secrets, or patented
rights of CD Power Measurement Ltd. and
are in strict confidence. No reproduction
may be made without prior written consent
of CD Power Measurement Ltd.



POWER MEASUREMENT LTD.

DWG# 14500-0023

E

REV 1.1

DATE: JAN 7, 1993

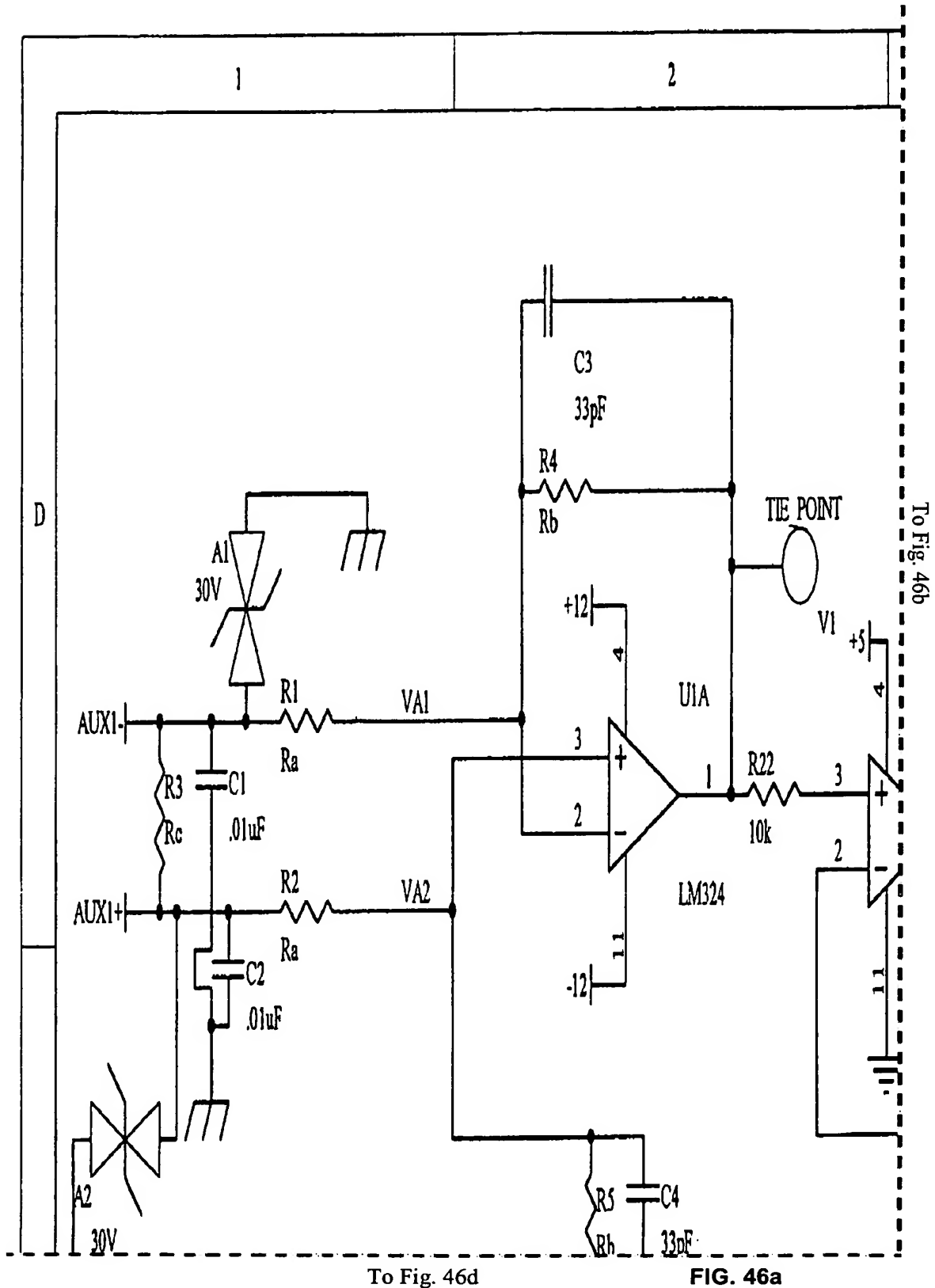
SHEET 1 OF 1

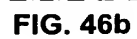
3

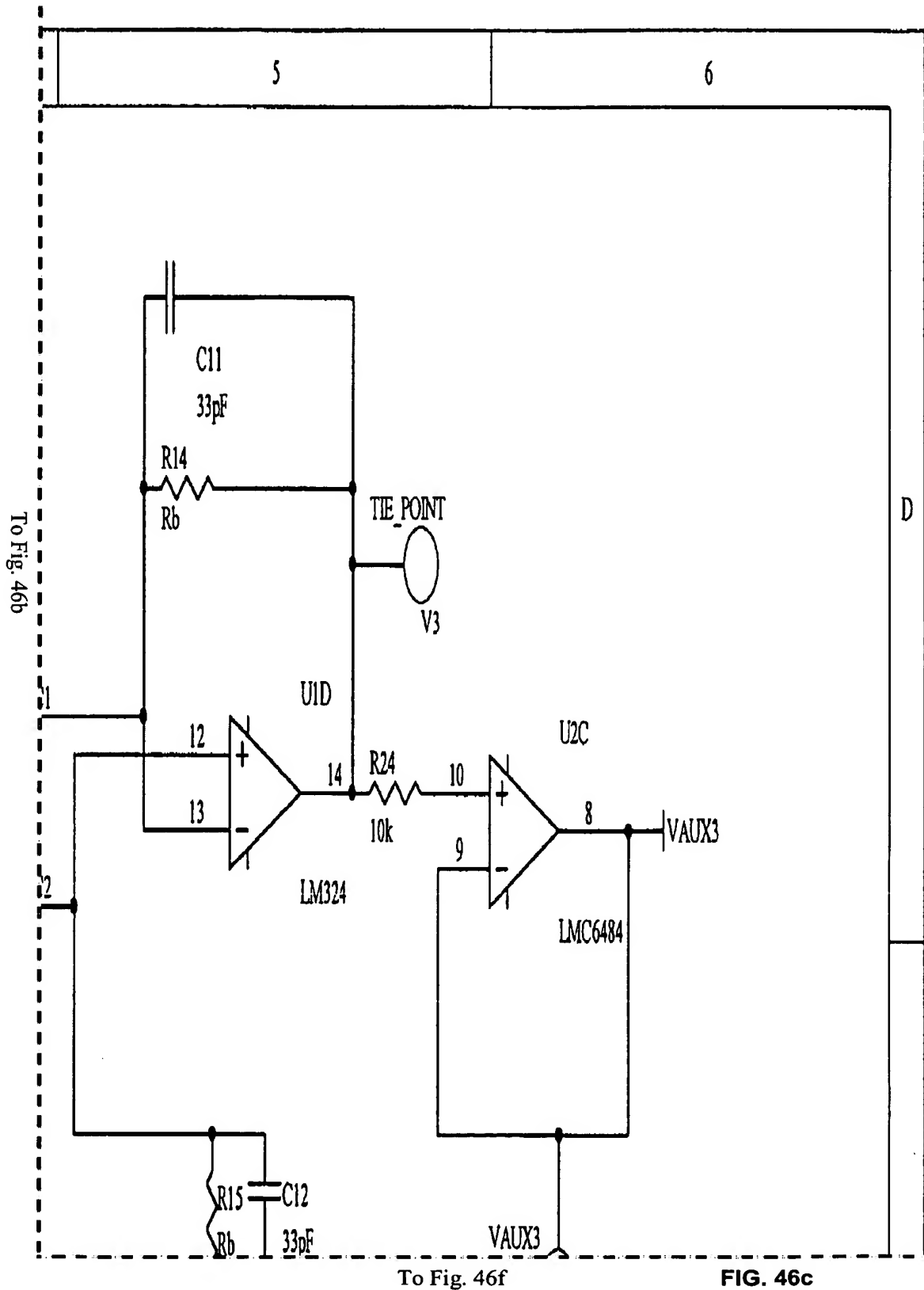
2

1

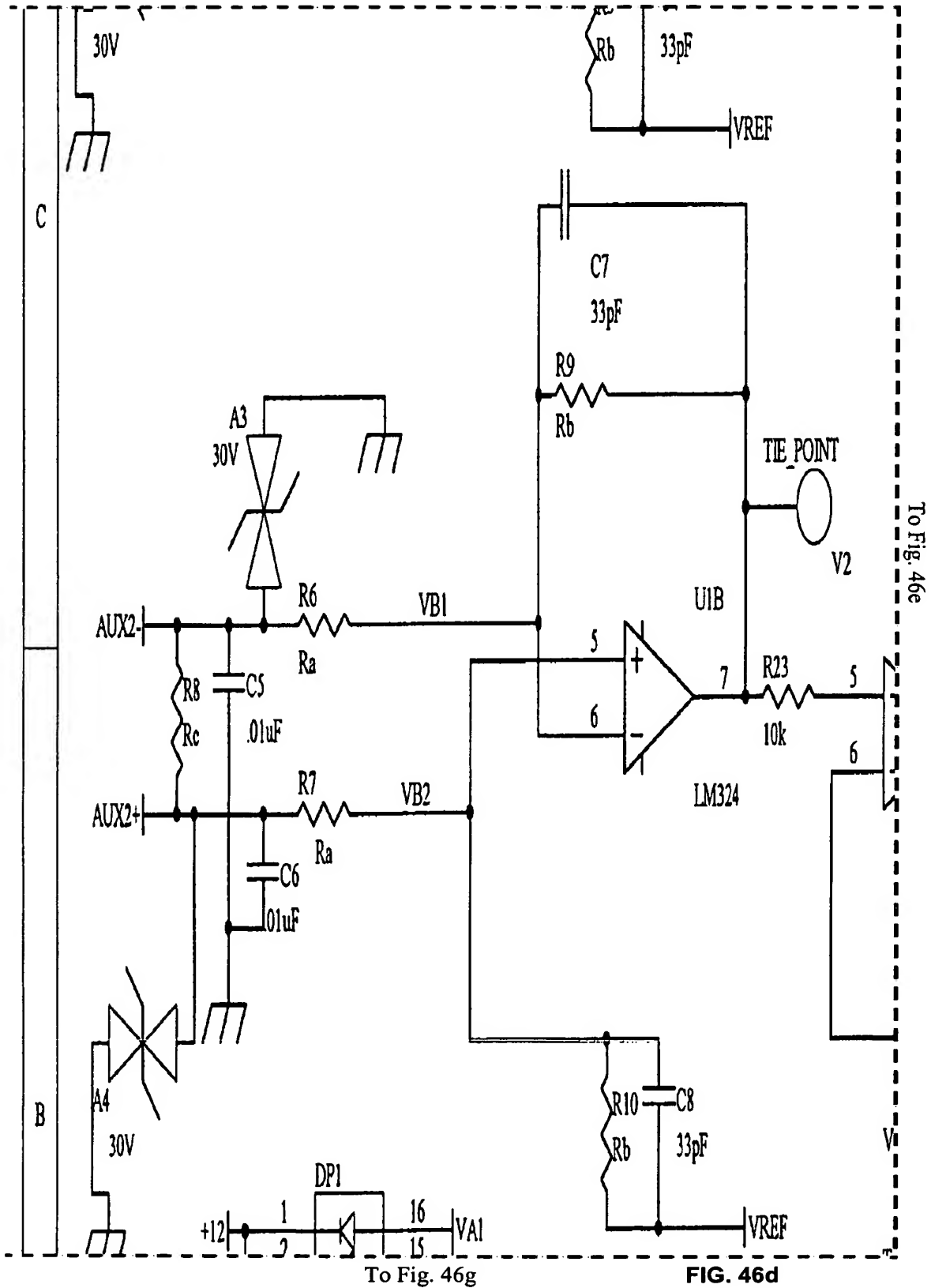
FIG. 45i







To Fig. 46a

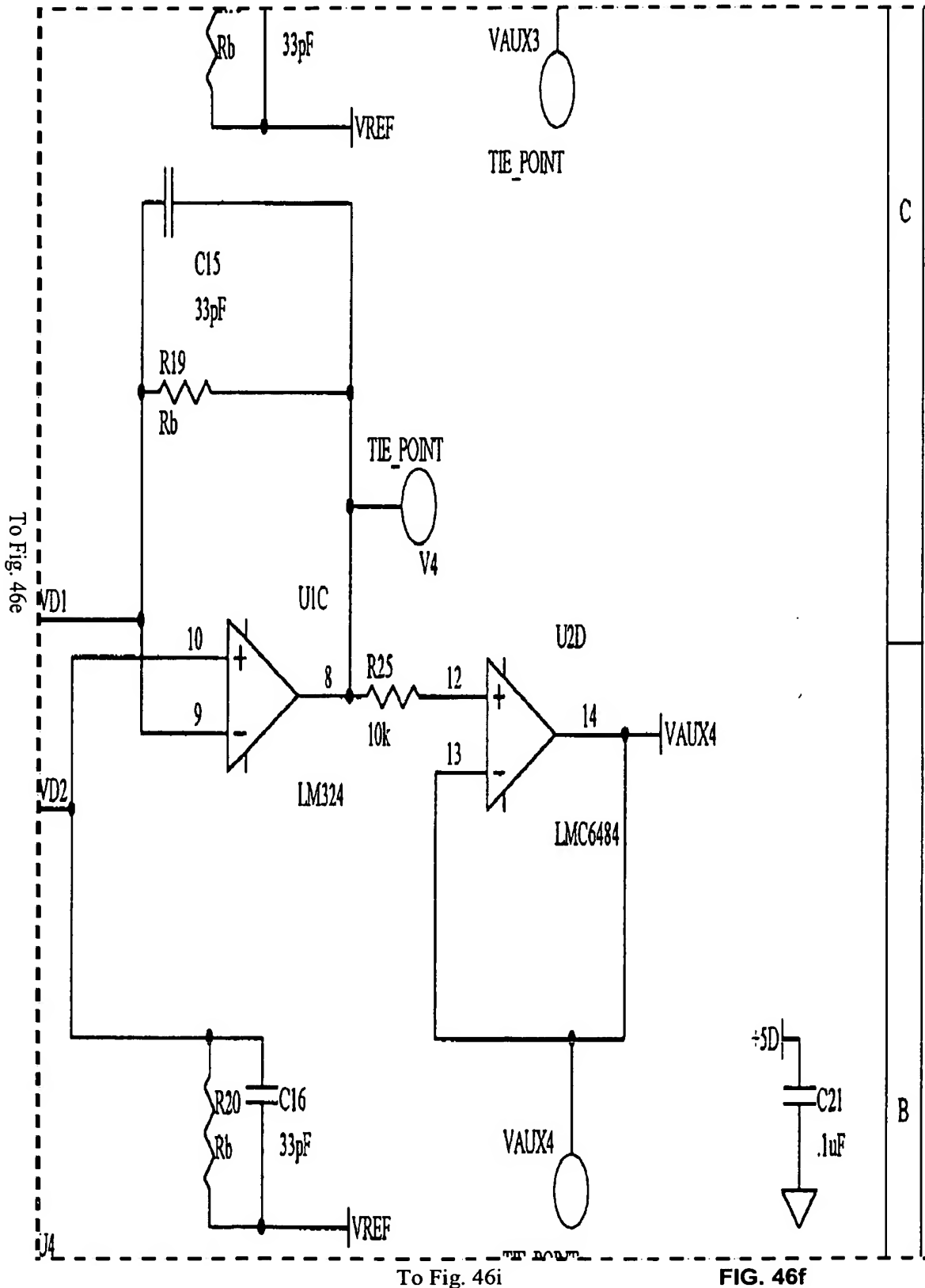


To Fig. 46g

FIG. 46d

FIG. 46e

To Fig. 46c



To Fig. 46i

FIG. 46f

To Fig. 46d

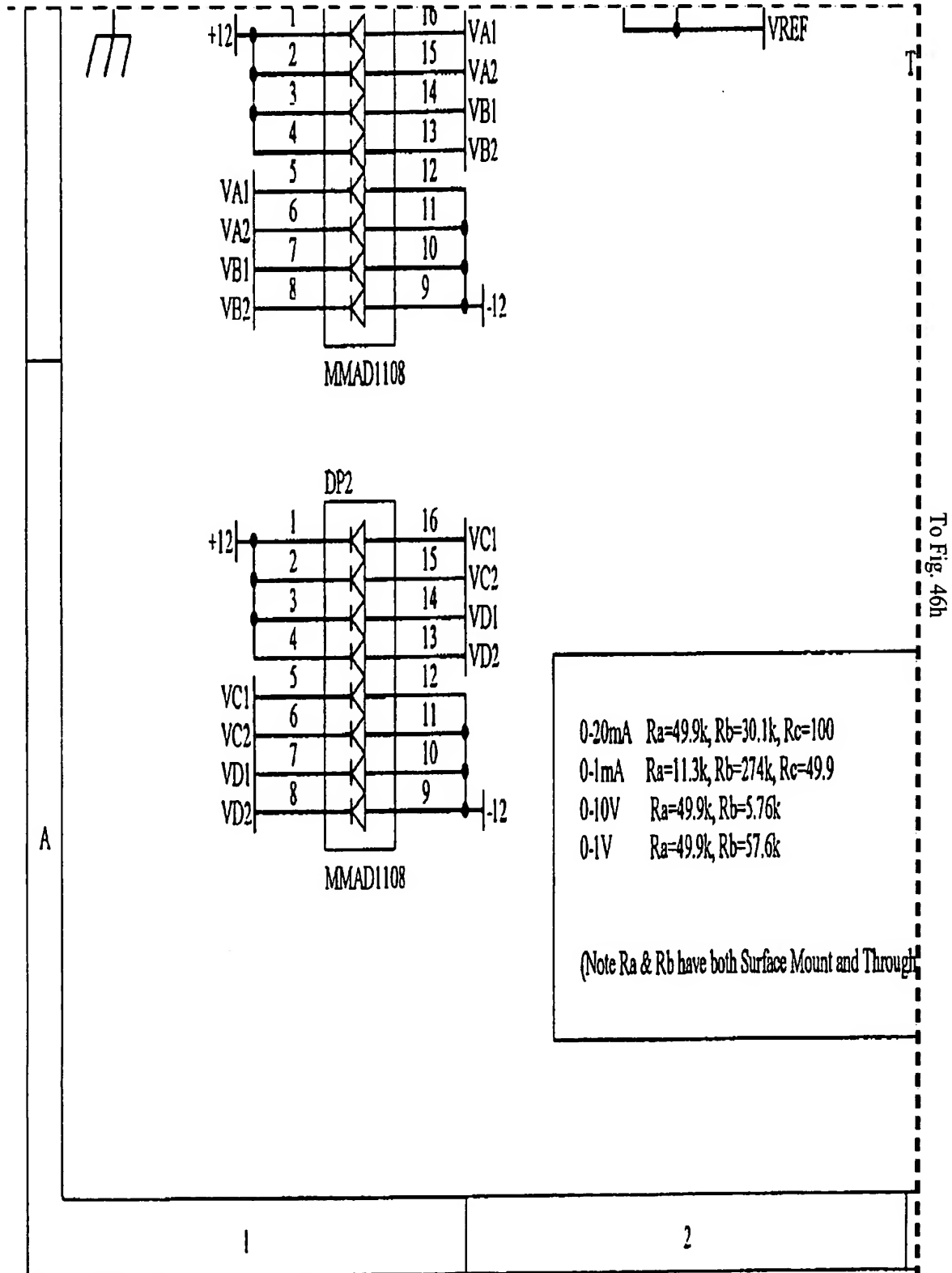


FIG. 46g

To Fig. 46e

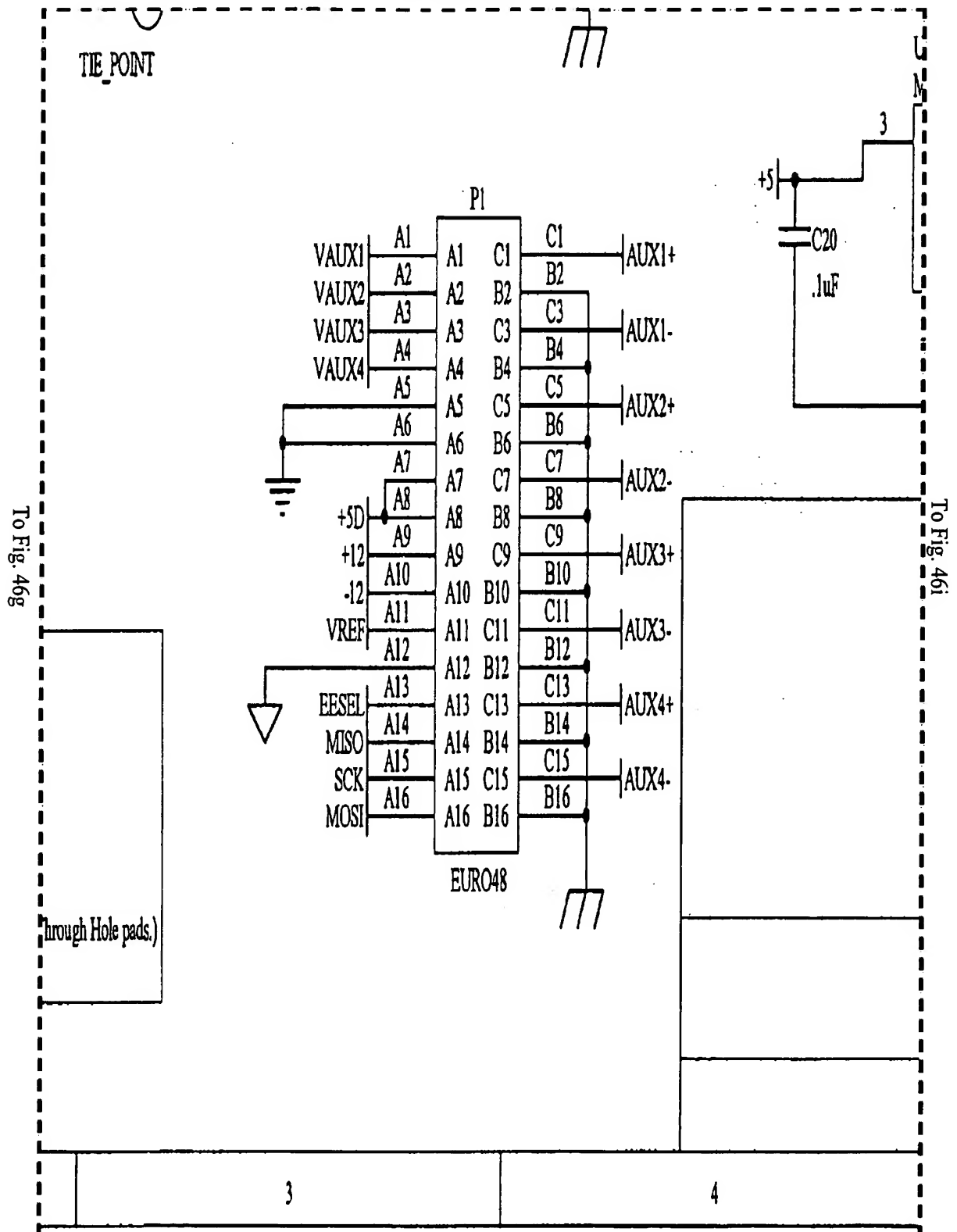
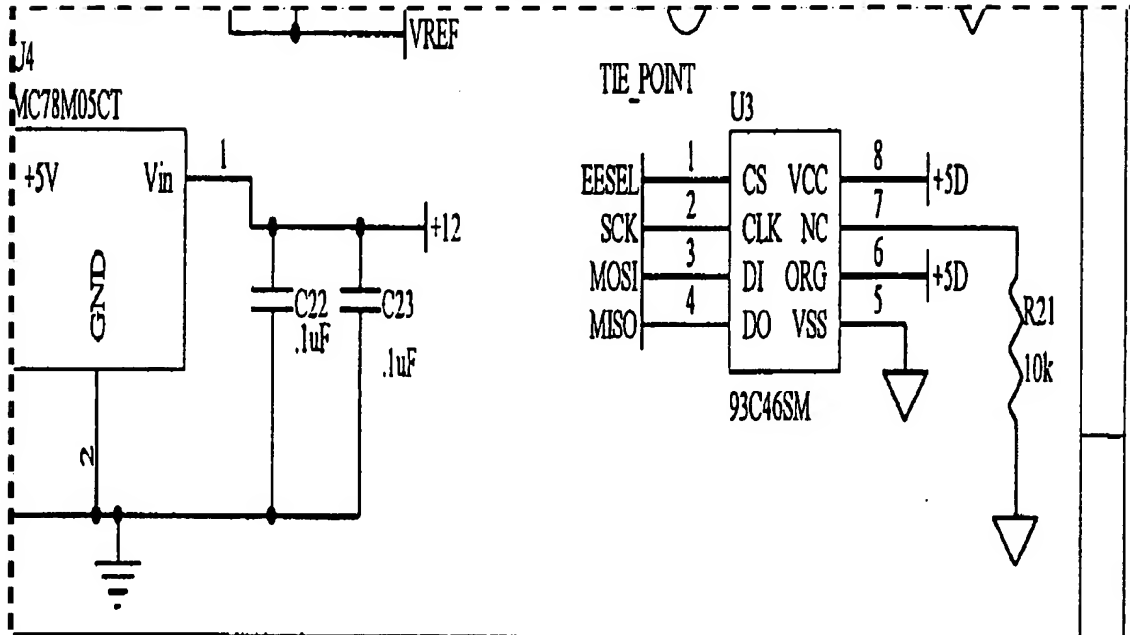


FIG. 46h

To Fig. 46f



To Fig. 46h

Power Measurement Ltd.				
Oct. 19, 1994.				
Size	FCSM No.	DWG No.	Rev	
B		14000-0022	0.013	
Scale	Sheet		1 of 1	
5			6	

FIG. 46i